004

October 13, 2003

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 5-5-9-18, 7-5-9-18, 9-5-9-18, 11-5-9-18, and 13-5-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
OCT 15 2003
DIV. OF OIL, GAS & MINING

001

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-65970

6. If Indian, Allottee or Tribe Name: N/A

7. If Unit or CA Agreement, Name and No.: N/A

8. Lease Name and Well No.: Federal 5-5-9-18

1a. Type of Work: [X] DRILL [ ] REENTER

1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone

9. API Well No.: 43-047-35290

2. Name of Operator: Inland Production Company

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Eight Mile Flat

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SW/NW 2436' FNL 813' FWL 40.06047

At proposed prod. zone 4434814Y 591824X -109.42336

11. Sec., T., R., M., or Blk. and Survey or Area: SW/NW Sec. 5, T9S R18E

14. Distance in miles and direction from nearest town or post office*: Approximatley 19.4 miles southeast of Myton, Utah

12. County or Parish: Uintah

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1524' f/lse, NA f/unit

16. No. of Acres in lease: 1,036.24

17. Spacing Unit dedicated to this well: 40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2037'

19. Proposed Depth: 6500'

20. BLM/BIA Bond No. on file: #4488944

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 4978' GR

22. Approximate date work will start*: 1st Quarter 2004

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 10/13/03

Title: Regulatory Specialist

Approved by *(Signature)*: Bradley G. Hill — Name *(Printed/Typed)*: BRADLEY G. HILL — Date: 02-24-05

Title: ENVIRONMENTAL SCIENTIST III — Office:

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

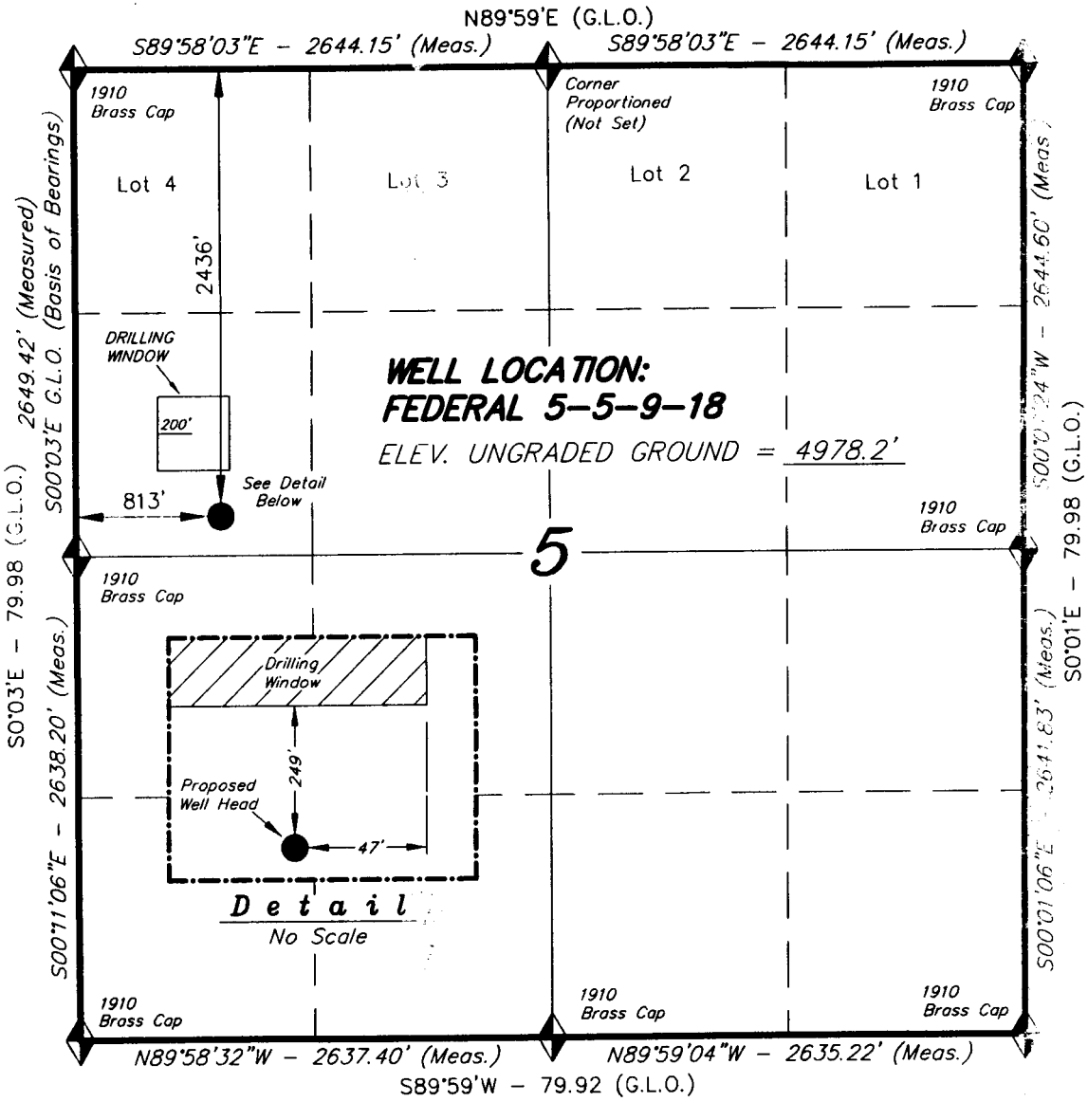
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

Federal Approval of this Action is Necessary

RECEIVED
OCT 15 2003
DIV. OF OIL, GAS & MINING

T9S, R18E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 5-5-9-18, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 5, T9S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No. 189377 STATE OF UTAH

STACY W. STEWART

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 9-26-03	DRAWN BY: J.R.S.
NOTES:	FILE #

INLAND PRODUCTION COMPANY
FEDERAL #5-5-9-18
SW/NW SECTION 5, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1640'
Green River	1640 '
Wasatch	6120'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1640' – 6500' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY
FEDERAL #5-5-9-18
SW/NW SECTION 5, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #5-5-9-18 located in the SW 1/4 NW 1/4 Section 5, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 11.7 miles ± to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles ± to it's junction with an existing road to the east; proceed northeasterly – 1.2 miles ± to it's junction with an existing road to the northeast; proceed northeasterly – 1.3 miles ± with the beginning of the proposed access road; proceed northerly along the proposed access road 875' ± to the proposed well location.

2. *PLANNED ACCESS ROAD*

See Topographic Map "B" for the location of the proposed access road.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. *LOCATION AND TYPE OF WATER SUPPLY*

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. *SOURCE OF CONSTRUCTION MATERIALS*

Please refer to the Monument Butte Field SOP.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

Please refer to the Monument Butte Field SOP.

8. *ANCILLARY FACILITIES*

Please refer to the Monument Butte Field SOP.

9. ***WELL SITE LAYOUT***

See attached Location Layout Diagram.

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-62, 6/20/03. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

Inland Production Company requests a 60' ROW for the Federal #5-5-9-18 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company also requests a 60' ROW be granted for the Federal #5-5-9-18 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal
Please refer to the Monument Butte Field SOP.

Reserve Pit Liner
A felt pad and 12 mil liner is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation
Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	*Atriplex confertifolia*	4 lbs/acre
Indian ricegrass	*Oryzopsis hymenoides*	4 lbs/acre
Green Molly supper cyprice		4 lbs/acre

13. ***LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION***

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #5-5-9-18 SW/NW Section 5, Township 9S, Range 18E: Lease UTU-65970 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

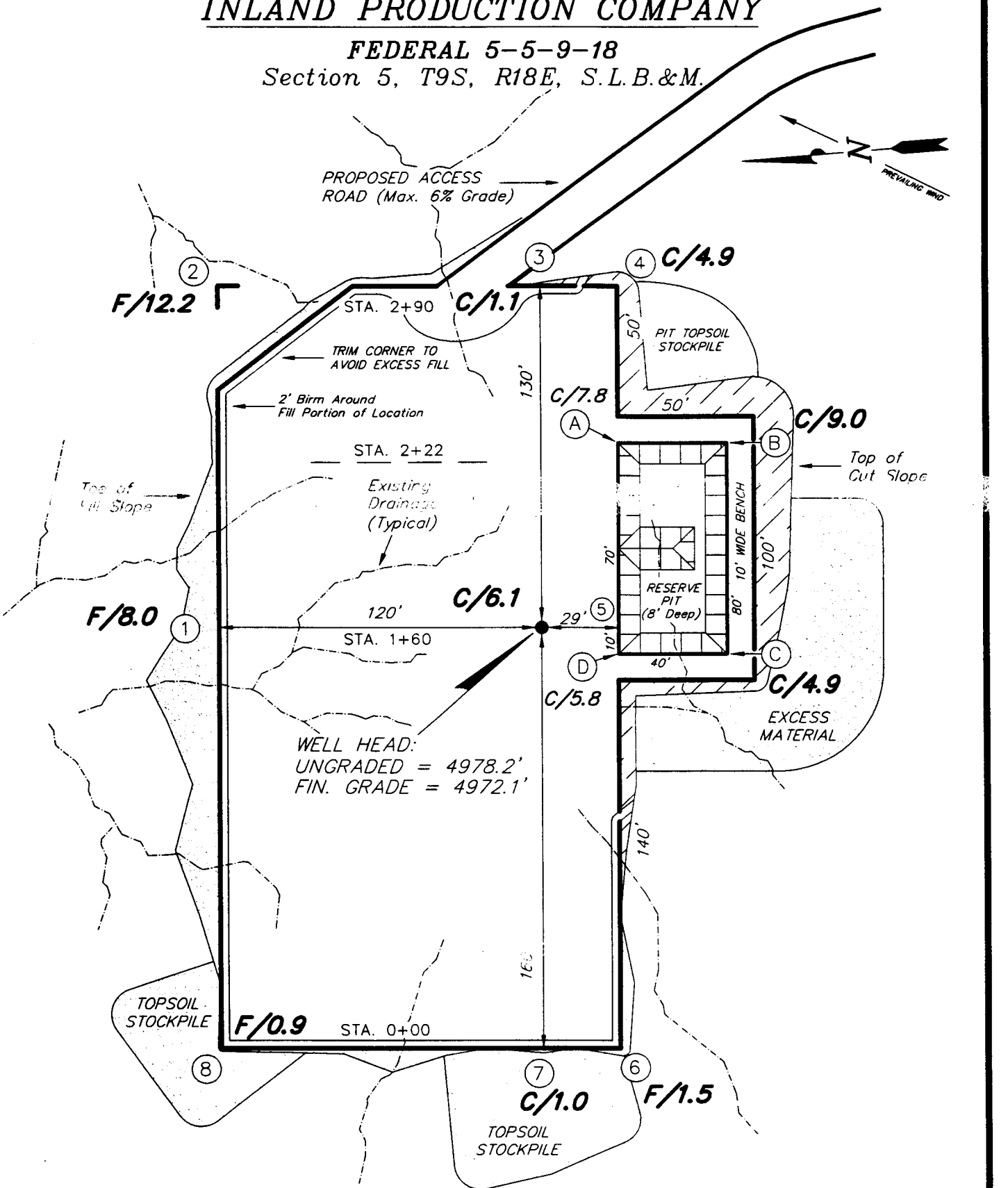
10/13/03
Date

Mandie Crozier
Regulatory Specialist

INLAND PRODUCTION COMPANY

FEDERAL 5-5-9-18

Section 5, T9S, R18E, S.L.B.&M.

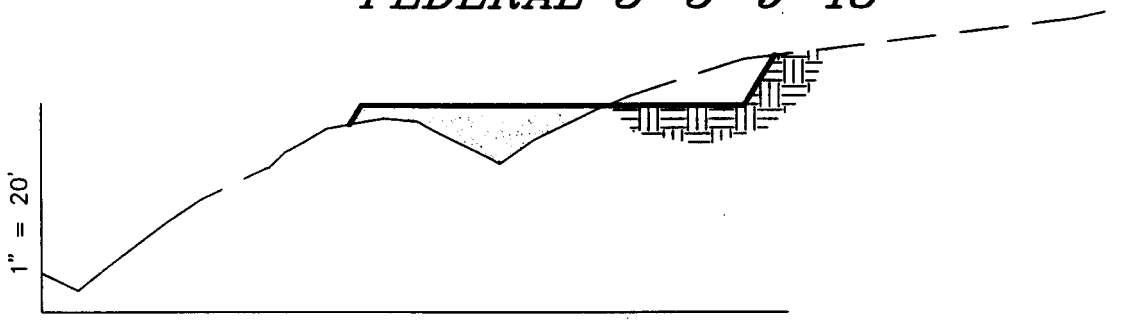


SURVEYED BY: K.G.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 9-26-03	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

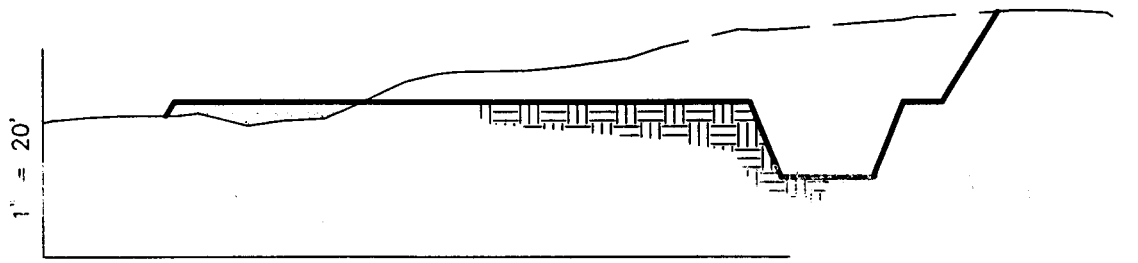
INLAND PRODUCTION COMPANY

CROSS SECTIONS

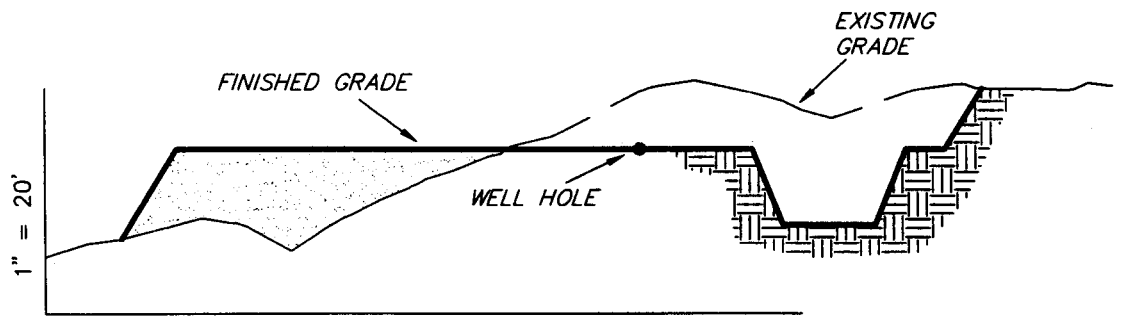
FEDERAL 5-5-9-18



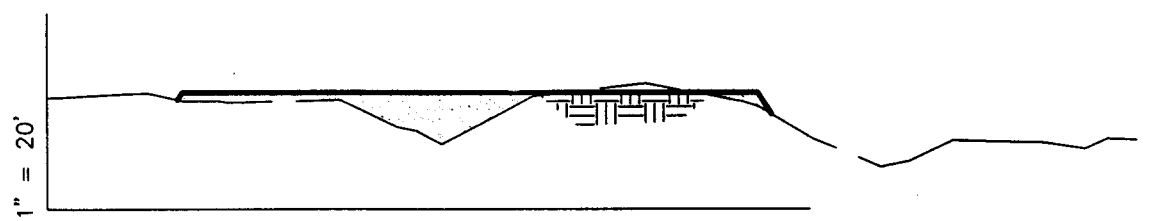
STA. 2+90



STA. 2+22



STA. 1+60



STA. 0+00

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

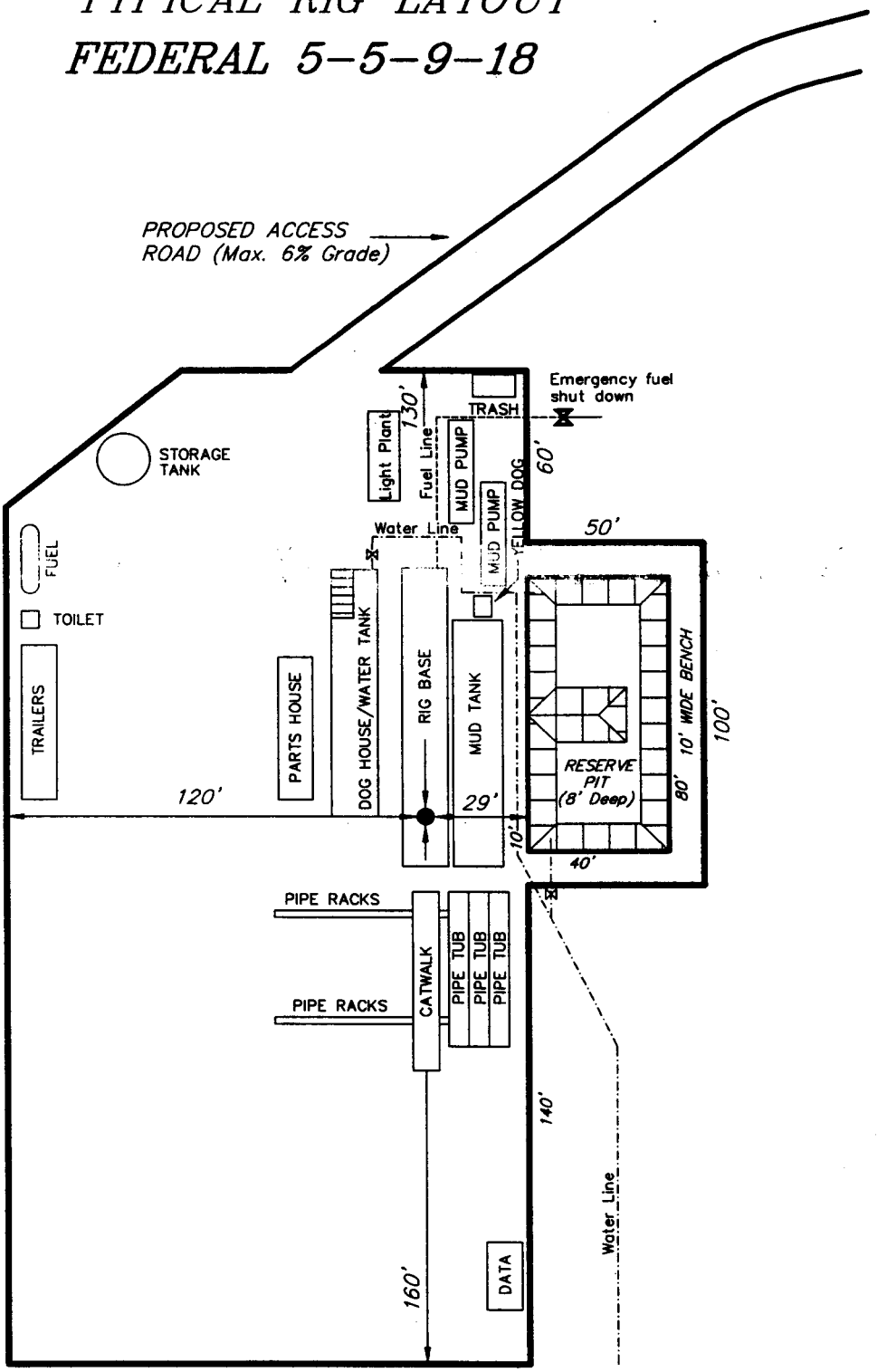
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,820	3,820	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,460	3,820	890	640

SURVEYED BY: K.G.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 9-26-03	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

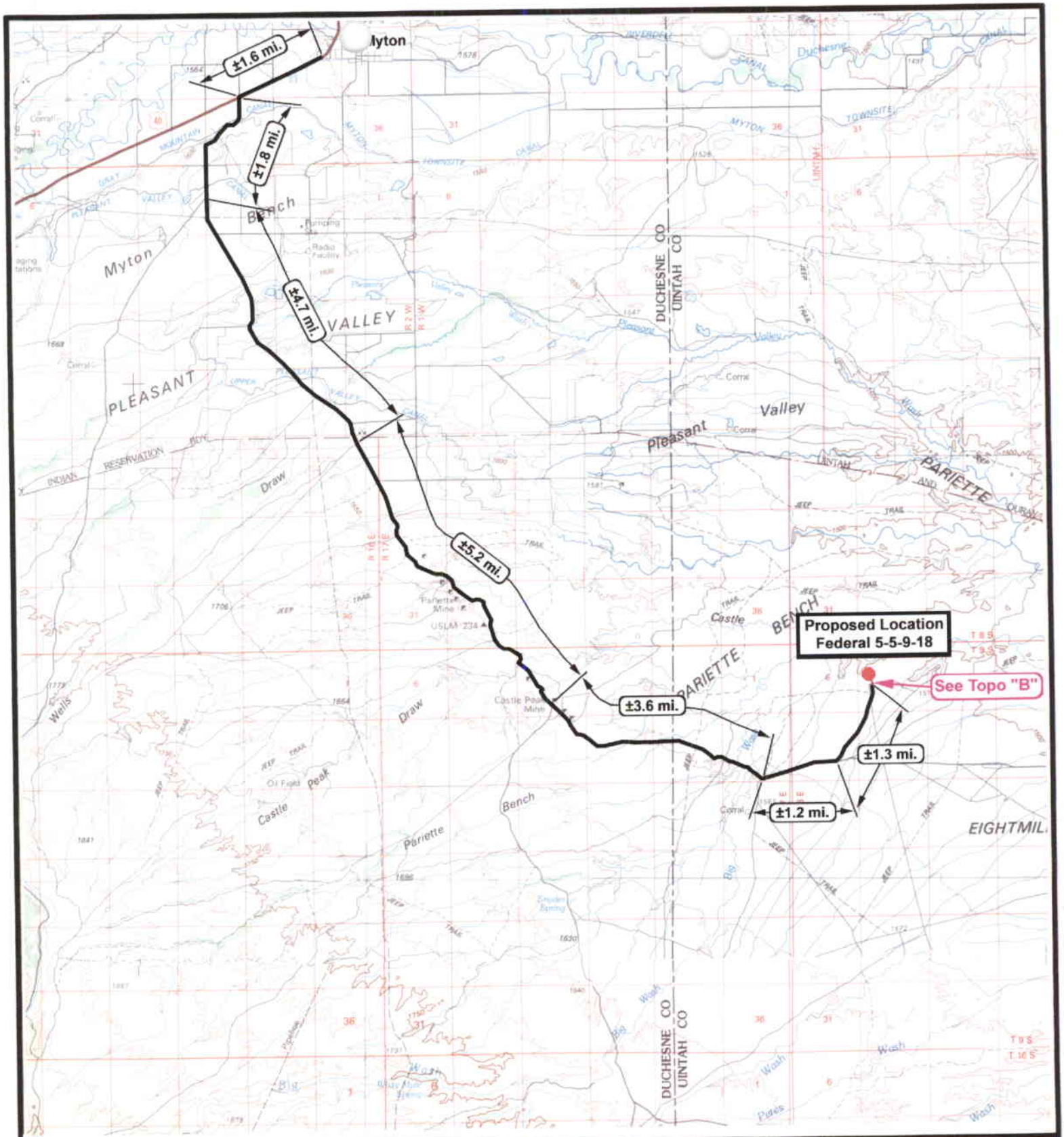
INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

FEDERAL 5-5-9-18



SURVEYED BY:	K.G.S.	SCALE:	1" = 50'	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	J.R.S.	DATE:	9-26-03	180 NORTH VERNAL AVE. VERNAL, UTAH 84078



Inland RESOURCES INC.

Federal 5-5-9-18
SEC. 5, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 120,000
DRAWN BY: R.A.B.
DATE: 10-08-2003

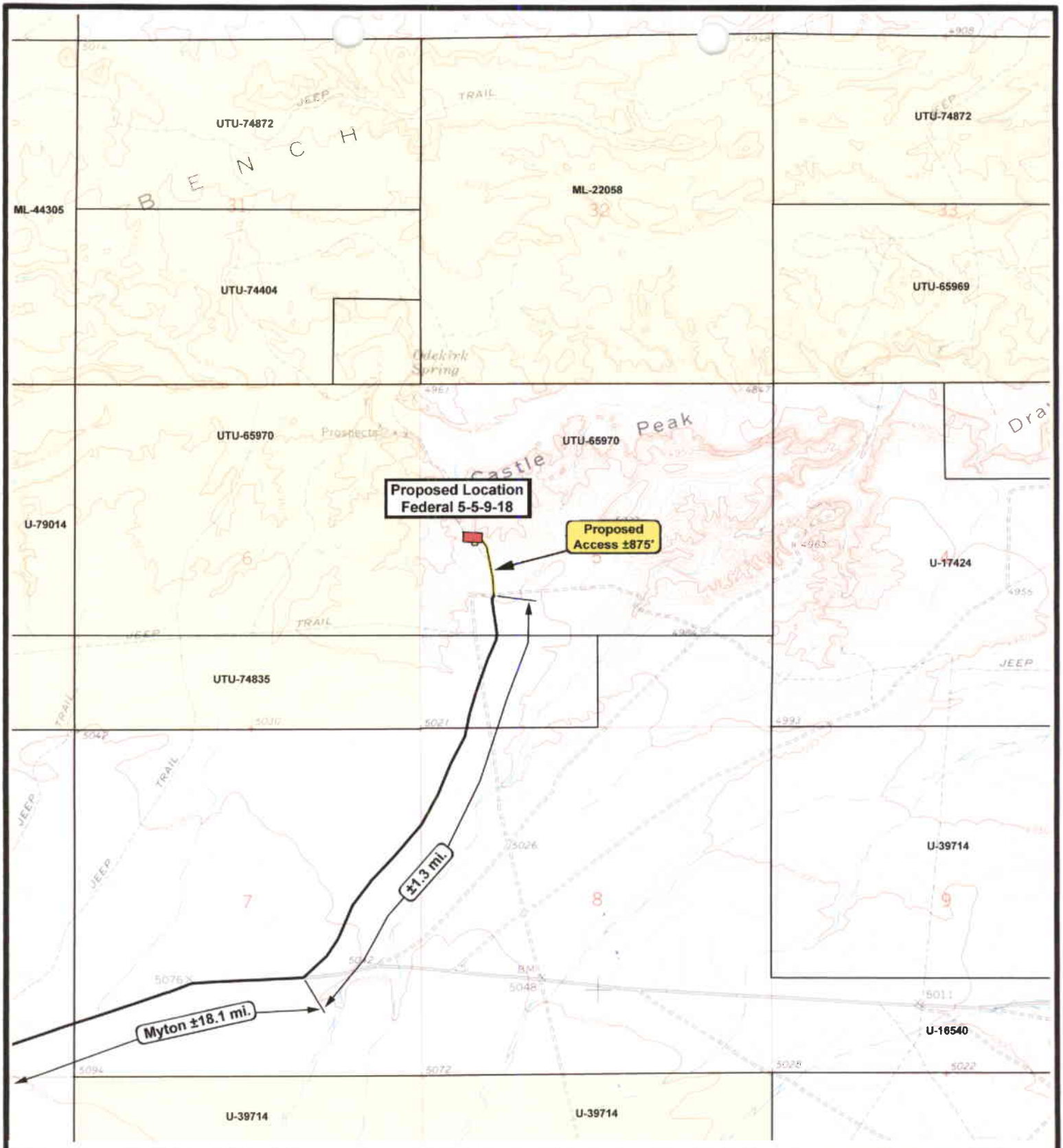
Legend

Existing Road

Proposed Access

TOPOGRAPHIC MAP

"A"



Inland RESOURCES INC.

Federal 5-5-9-18
SEC. 5, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 10-08-2003

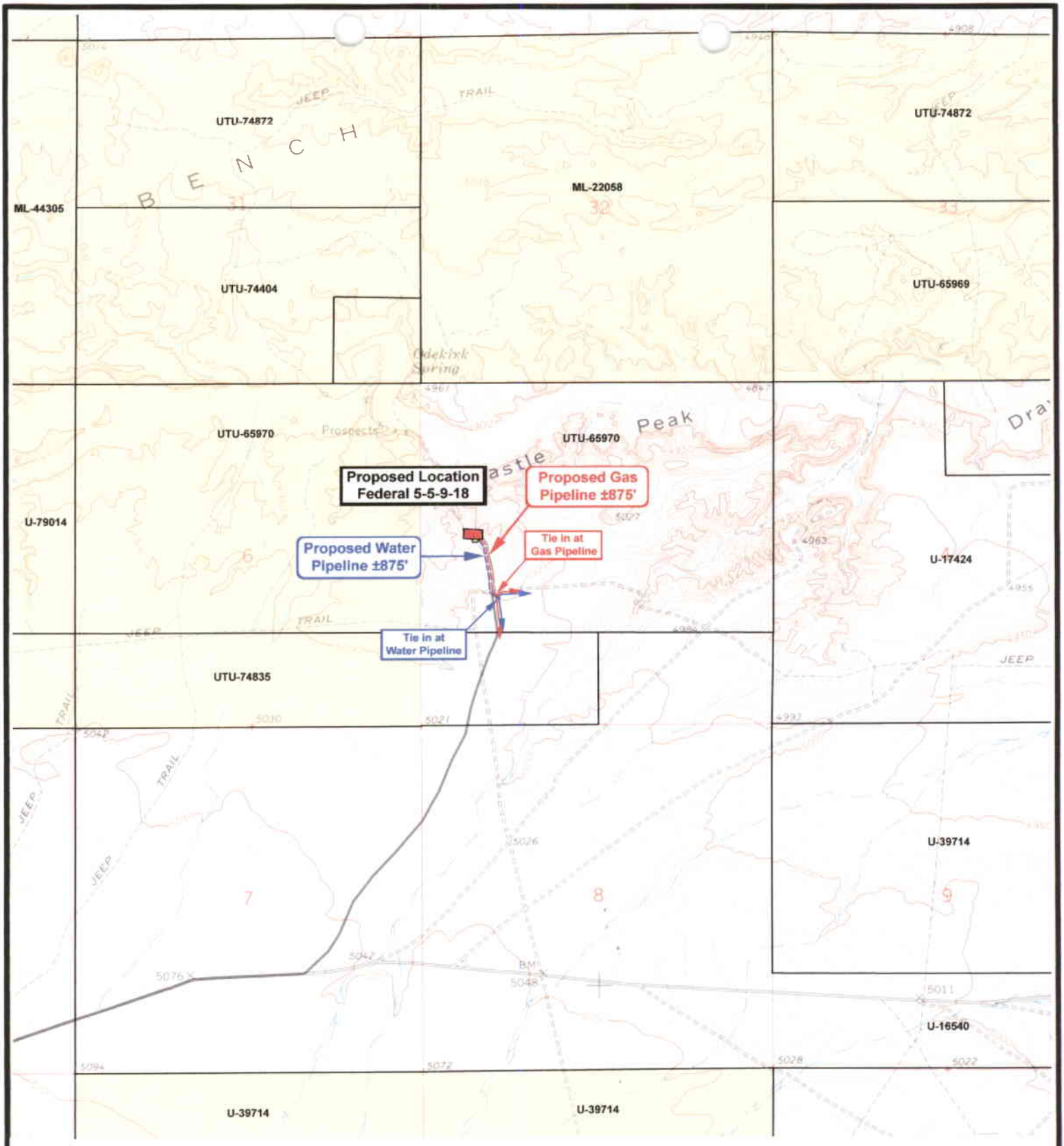
Legend

Existing Road

Proposed Access

TOPOGRAPHIC MAP

"B"



Inland RESOURCES INC.

Federal 5-5-9-18
SEC. 5, T9S, R18E, S.L.B.&M.

N

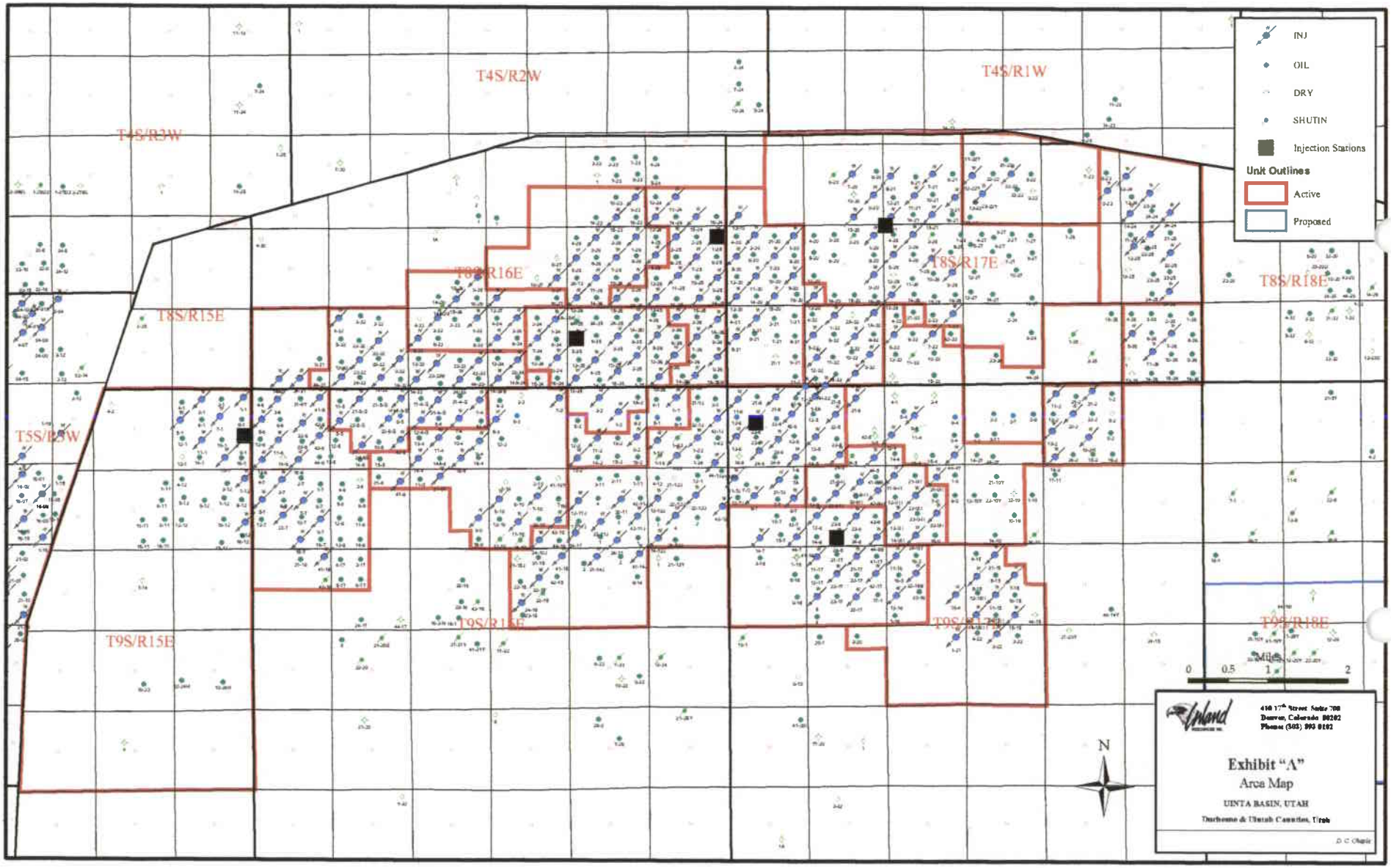
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 10-08-2003

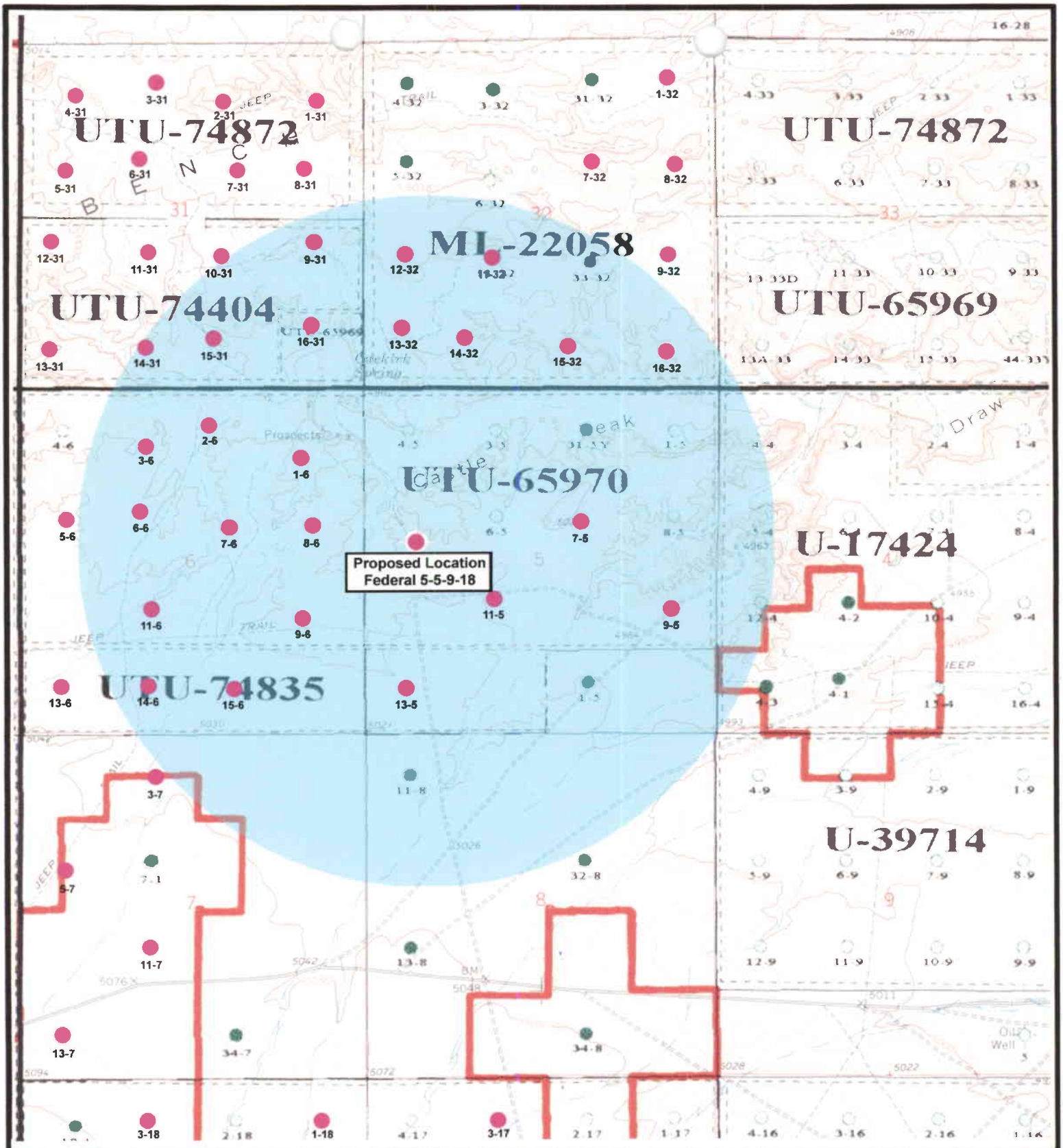
Legend

- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

TOPOGRAPHIC MAP
"C"



January 15, 2003



Inland RESOURCES INC.

Federal 5-5-9-18
SEC. 5, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 10-08-2003

Legend
Well Locations
One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

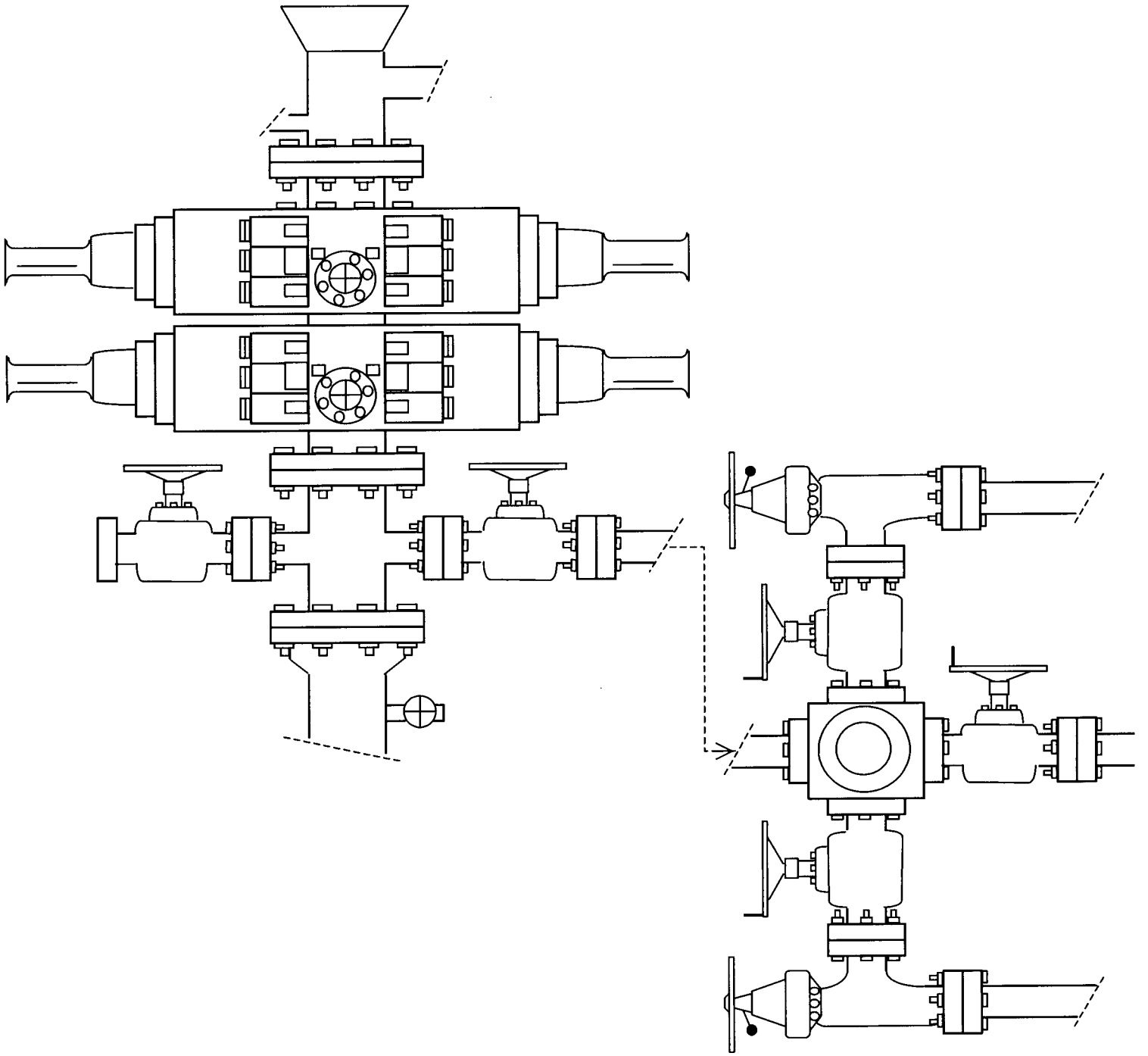


EXHIBIT C

Exhibit "D"
page 1 of 2

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES' BLOCK PARCELS IN T 9S, R 18E, SECTION 5 and T9S, R17E, SECTIONS 9 AND 10 DUCHESNE AND UINTAH COUNTIES, UTAH

BY:

Angela Whitfield
and
Mark C. Bond

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Jon D. Holst & Company
for
Inland Resources
2507 Flintridge Place
Fort Collins, CO 80521

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 03-62

June 20, 2003

United States Department of Interior (FLPMA)
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-03-MQ-0390b

INLAND RESOURCES, INC.

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

(South half Section 13, south half Section 14, south half Section 15, entire Sections 22, 23, 24, T 9 S, R 15 E; Section 5 minus SW & SE 1/4, SE 1/4, and existing well site at NW 1/4, NE 1/4, T 9 S, R 18 E)

REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
June 7, 2003

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

005

APD RECEIVED: 10/15/2003

API NO. ASSIGNED: 43-047-35290

WELL NAME: FEDERAL 5-5-9-18

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNW 05 090S 180E

SURFACE: 2436 FNL 0813 FWL

BOTTOM: 2436 FNL 0813 FWL

UINTAH

8 MILE FLAT NORTH (590)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-65970

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.06047

LONGITUDE: 109.92336

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. MUNICIPAL)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

____ R649-2-3.

Unit _____

____ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

✓ R649-3-3. **Exception**

____ Drilling Unit

Board Cause No: _____

Eff Date: _____

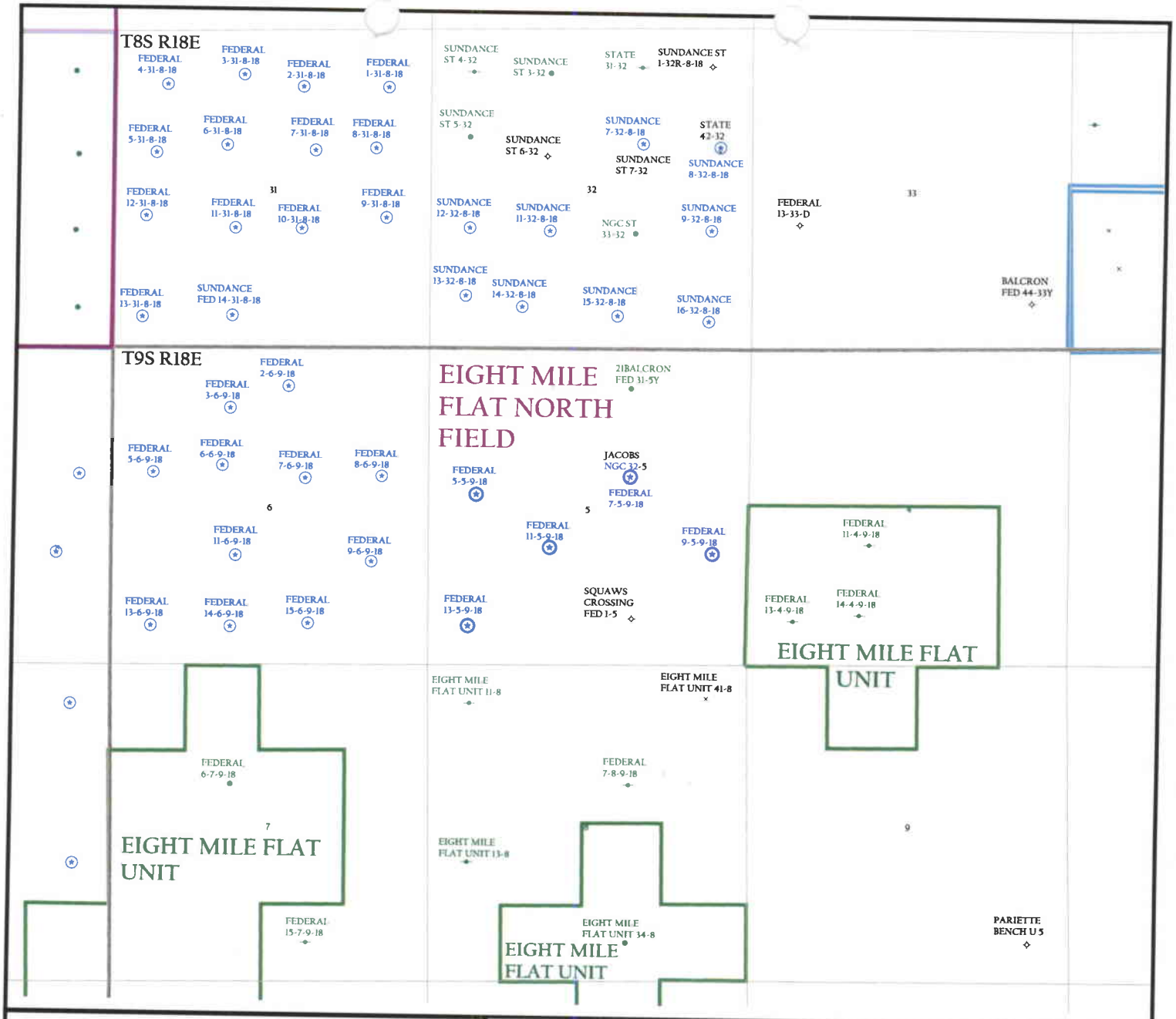
Siting: _____

____ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

2- Spacing Sop



OPERATOR: INLAND PRODUCTION CO (N5160)

SEC. 5 T.9S, R.18E

FIELD: EIGHT MILE FLAT (590)

COUNTY: UINTAH

SPACING: R649-3-3 / EXCEPTION LOCATION

Wells
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Utah Oil Gas and Mining

PREPARED BY: DIANA WHITNEY
DATE: 16-OCTOBER-2003

003

To: *Newfield Production Company*
Attn: Laurie Deseau

Newfield Fax: 303-893-0103

RE: Exception Locations
Federal 5-5-9-18; T9S-R18E Sec 5: SWNW
Federal 1-6-9-18; T9S-R18E Sec 5: NENE

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: [signature] Date: 2-21-05

Print Name and Title

RECEIVED
FEB 22 2005
DIV. OF OIL, GAS & MINING

002

NEWFIELD

February 23, 2005

Utah Division of Oil, Gas & Mining
P.O. Box 145801
Attn: Diana Whitney
Salt Lake City, Utah 84114-5801

Re: Exception Locations: Fed 5-5-9-18: 2436' FNL, 813' FWL, SWNW Sec 5-T9S-R18E; Fed 1-6-9-18:1149' FNL, 971' FEL, NENE Sec 6-T9S-R18E Uintah Cty., UT; UTU-65970

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned wells. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The 5-5-9-18 referenced location is an exception location under Rule 649-3-2, being 249' south of the drilling window tolerance for the SWNW of Sec 5-T9S-R18E. The 1-6-9-18 referenced location is also an exception location, being 287' south & 110' west of the drilling window tolerance for the NENE of Sec 6-T9S-R18E. The attached plats depict the proposed drillsite locations and illustrate the deviations from the drilling window, in accordance with Rule R649-3-2. The requested locations have been selected due to the local topography/extreme terrain.

Please note the location is completely within Federal lease UTU-65970. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted these owners and their consent has been provided to your office under separate cover.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your continued assistance in this matter.

Sincerely,
NEWFIELD PRODUCTION COMPANY

Laurie Deseau
Properties Administrator

RECEIVED
FEB 23 2005
DIV. OF OIL, GAS & MINING

006

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

February 24, 2005

Inland Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 5-5-9-18 Well, 2436' FNL, 813' FWL, SW NW, Sec. 5, T. 9 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35290.

Sincerely,

for John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Inland Production Company

Well Name & Number Federal 5-5-9-18

API Number: 43-047-35290

Lease: UTU-65970

Location: SW NW **Sec.** 5 **T.** 9 South **R.** 18 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

007

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-65970

6. If Indian, Allottee or Tribe Name: N/A

7. If Unit or CA Agreement, Name and No.: N/A

1a. Type of Work: ☒ DRILL ☐ REENTER

8. Lease Name and Well No.: Federal 5-5-9-18

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

9. API Well No.: 43-047-35216

2. Name of Operator: Inland Production Company

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Eight Mile Flat

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SW/NW 2436' FNL 813' FWL

At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area: SW/NW Sec. 5, T9S R18E

14. Distance in miles and direction from nearest town or post office*: Approximatley 19.4 miles southeast of Myton, Utah

12. County or Parish: Uintah

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1524' f/lse, NA f/unit

16. No. of Acres in lease: 1,036.24

17. Spacing Unit dedicated to this well: 40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2037'

19. Proposed Depth: 6500'

20. BLM/BIA Bond No. on file: #4488944

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 4978' GR

22. Approximate date work will start*: 1st Quarter 2004

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

RECEIVED
MAR 09 2005
DIV. OF OIL, GAS & MINING

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 10/13/03

Title: Regulatory Specialist

Approved by *(Signature)*: Howard B. Cleavinger II — Name *(Printed/Typed)* — Date: 02/09/2005

Title: Assistant Field Manager Mineral Resources — Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACH

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: FEDERAL 5-5-9-18

API Number: 43-047-35290

Lease Number: UTU – 65970

Location: SWNW Sec. 05 TWN 09S RNG: 8E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at ±2,160 ft.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874
Petroleum Engineer

Michael Lee (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

API Number: 43-047-35290

Well Name & Number: Federal 5-5-9-18

Lease Number: U-65970

Location: SWNW Sec. 5, T. 9 S. R. 18 E.

Surface Ownership: BLM

Date NOS Received: None

Date APD Received: 10-16-03

-No construction or drilling shall be allowed during the golden eagle nesting season (Feb. 1 to July 15), without first consulting the BLM biologist. Since the nest has been inactive for the past two years, if the nest is still inactive, the well can be drilled.

-To reduce noise levels in the area, a hospital muffler or multi-cylinder engine shall be installed on the pumping unit.

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

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73520X
74477X
75023X
76189X
76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

008

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **9/1/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 13-1-9-17	01	090S	170E	4304735181	14101	Federal	OW	P	K
FEDERAL 15-1-9-17	01	090S	170E	4304735182	14094	Federal	OW	P	K
FEDERAL 3-11-9-17	11	090S	170E	4304735295	14258	Federal	OW	P	K
FEDERAL 5-5-9-18	05	090S	180E	4304735290		Federal	OW	NEW	K
FEDERAL 7-5-9-18	05	090S	180E	4304735291		Federal	OW	APD	K
FEDERAL 9-5-9-18	05	090S	180E	4304735292	14554	Federal	OW	DRL	K
FEDERAL 11-5-9-18	05	090S	180E	4304735293		Federal	OW	APD	K
FEDERAL 13-5-9-18	05	090S	180E	4304735294		Federal	OW	APD	K
FEDERAL 9-6-9-18	06	090S	180E	4304735183	14153	Federal	OW	P	K
FEDERAL 11-6-9-18	06	090S	180E	4304735184	14127	Federal	OW	P	K
FEDERAL 15-6-9-18	06	090S	180E	4304735185	14120	Federal	OW	P	K
FEDERAL 1-6-9-18	06	090S	180E	4304735296		Federal	OW	NEW	K
FEDERAL 1-7-9-18	07	090S	180E	4304735447		Federal	OW	APD	K
FEDERAL 3-7-9-18	07	090S	180E	4304735448		Federal	OW	APD	K
FEDERAL 5-7-9-18	07	090S	180E	4304735449		Federal	OW	APD	K
FEDERAL 7-7-9-18	07	090S	180E	4304735450		Federal	OW	APD	K
FEDERAL 11-7-9-18	07	090S	180E	4304735451		Federal	OW	APD	K
FEDERAL 13-7-9-18	07	090S	180E	4304735452		Federal	OW	APD	K
FEDERAL 10-7-9-18	07	090S	180E	4304735453		Federal	OW	APD	K
FEDERAL 14-7-9-18	07	090S	180E	4304735454		Federal	OW	APD	K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

009

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **NEWFIELD PRODUCTION COMPANY**

Well Name: **FEDERAL 5-5-9-18**

Api No: **43-047-35290** Lease Type: **FEDERAL**

Section **05** Township **09S** Range **18E** County **UINTAH**

Drilling Contractor **NDSI** RIG # **NS#1**

SPUDDED:

Date **04/18/05**

Time **NOON**

How **DRY**

Drilling will Commence:

Reported by **RAY HERRERA**

Telephone # **1-435-823-1990**

Date **04/18/2005** **Signed** **CHD**

010

PAGE 02

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14669	43-047-35290	Federal 5-5-9-18	SW/NW	5	9S	18E	Uintah	4/18/2005	4/21/05 K

WELL 1 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14670	43-047-35595	Federal 12-4-9-18	NW/SW	4	9S	18E	Uintah	4/20/2005	4/21/05 K

WELL 2 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Kebbie S. Jones
Signature
Production Clerk
Title
April 21, 2005
Date

RECEIVED
APR 21 2005
DIV. OF OIL, GAS & MINING

INLAND 4356463031 04/21/2005 08:15

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
UTU65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL
SW/NW Section 5 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/18/2005 MIRU NDSI NS # 1.Spud well @ 12:00 PM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 315.47'/ KB On 4/22/2005 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 2 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct Name *(Printed/ Typed)* Floyd Mitchell	Title Drilling Supervisor
Signature Floyd Mitchell	Date 04/22/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
APR 29 2005
DIV. OF OIL, GAS & MINING

NEWFILD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 315.47

LAST CASING 8 5/8" SET AT 315.37'
DATUM 12' KB
DATUM TO CUT OFF CASING
DATUM TO BRADENHEAD FLANGE
TD DRILLER 310' LOGGER
HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
WELL Federal 5-5-9-18
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 42.80'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	303.62
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	305.47	7
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	303.62	7
TOTAL CSG. DEL. (W/O THRDS)	303.62	7
TIMING	1ST STAGE	
BEGIN RUN CSG. Spud	4/18/2005	12:00 PM
CSG. IN HOLE	4/19/2005	1:00 PM
BEGIN CIRC	4/22/2005	8:24 AM
BEGIN PUMP CMT	4/22/2005	8:36 AM
BEGIN DSPL. CMT	4/22/2005	8:45 AM
PLUG DOWN	**4/22/2005**	**8:55 AM**

TOTAL LENGTH OF STRING	305.47
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**315.47**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 2
RECIPROCATED PIPE FOR N/A
BUMPED PLUG TO 520 PSI

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Floyd Mitchell DATE 4/22/2005

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL
SW/NW Section 5 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/29/2005 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notifed of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,000'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 132 jt's of 5.5 J-55, 15.5# csgn. Set @ 5983.31' / KB. Cement with 375sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With all spacers returned to pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig 9:30 PM on 5/3/2005.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Floyd Mitchell

Title
Drilling Supervisor

Signature Floyd Mitchell

Date
05/04/2005

[redacted]

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
MAY 09 2005
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTI[illegible] COMPANY - CASING & CEMENT R[illegible]PORT

5 1/2" CASING SET AT 5983.31

Flt cllr @ 5939'

LAST CASING 8 5/8" SET AT 315'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 5-5-9-18

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Patterson-UTI Rig # 155

TD DRILLER 6000' Loggers TD 5998'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	SHJT	5.69' @ 3943'					
132	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5925.18
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.88
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	5985.31	133
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	90.35	2
TOTAL	6060.41	135
TOTAL CSG. DEL. (W/O THRDS)	6060.41	135
TIMING	1ST STAGE	2nd STAGE
BEGIN RUN CSG.	5/3/2005	11:00 AM
CSG. IN HOLE	5/3/2005	1:30 PM
BEGIN CIRC	5/3/2005	1:30 PM
BEGIN PUMP CMT	5/3/2005	3:33 PM
BEGIN DSPL. CMT	5/3/2005	4:31 PM
PLUG DOWN	5/3/2005	4:55 PM

TOTAL LENGTH OF STRING	5985.31
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	5983.31

} COMPARE

GOOD CIRC THRU JOB Yes

Bbls CMT CIRC TO SURFACE All spacers to pit

RECIPROCATED PIPE FOR THRUSTROKE

DID BACK PRES. VALVE HOLD ? Yes

BUMPED PLUG TO 2050 PSI

CEMENT USED		4 CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	375	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.	

COMPANY REPRESENTATIVE Floyd Mitchell DATE 5/4/2005

RECEIVED
MAY 09 2005
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTU65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL
SW/NW Section 5 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Variance
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Inland operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

RECEIVED TO OPERATOR
6-2-05
CHD

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature
Mandie Crozier

Date
05/31/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Accepted by the Utah Division of Oil, Gas and Mining

Date Federal Approval Of This Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date: 6/1/05

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

By:

(Instructions on reverse)

RECEIVED
JUN 01 2005
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
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SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTU65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL
SW/NW Section 5 T9S R18E

11. County or Parish, State
Uintah,UT

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☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☒ Water Disposal	

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Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)* Mandie Crozier
Title Regulatory Specialist
Signature
Date 05/31/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title
Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office

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(Instructions on reverse)

RECEIVED
JUN 01 2005
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
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5. Lease Serial No.
UTU65970

6. If Indian, Allottee or Tribe Name.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL
SW/NW Section 5 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 05/17/05 - 05/27/05

Subject well had completion procedures intiated in the Green River formation on 05-17-05 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5832'-5840')(5788'-5796'); Stage #2 (5684'-5694'),(5668-5676),(5624'-5629')(5341'-5390'),(5133'-5146'); Stage #3 (4776'-4784'),(4687'-4694'),(4272'-4283') (4240'-4248'). All perforations, were 4 JSPF, except for Stage #2(5341'-5390'), which was 2 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 05-25-2005. Bridge plugs were drilled out and well was cleaned to 5937'. Zones were swab tested for sand cleanup. A 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 05-27-2005.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Lana Nebeker

Title
Production Clerk

Signature
Lana Nebeker

Date
06/09/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on reverse)

JUN 13 2005

DIV. OF OIL, GAS & MINING

FORM 3160-4
(July 1992)

SUBMIT IN DUPLICATE* (See other instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UTU-65970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME, WELL NO.: Federal 5-5-9-18

9. WELL NO.: 43-047-35290

10. FIELD AND POOL OR WILDCAT: Eight Mile Flat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 5, T9S, R18E

1a. TYPE OF WORK: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

1b. TYPE OF WELL: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

2. NAME OF OPERATOR: Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.: 1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 2436' FNL & 813' FWL (SW/NW) Sec. 5, T9S, R18E
At top prod. Interval reported below
At total depth

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-35290	10/18/04	Uintah	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4/18/05	5/3/05	5/27/05	4978' GL 4990' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6000'	5937'		------>	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: Green River 4240'-5840'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	315'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5983'	7-7/8"	375 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5863'	TA @ 5758'

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4&5) 5788'-5796', 5832'-5840'	.41"	4/64	5788'-5840'	Frac w/ 35,747# 20/40 sand in 378 bbls fluid
(CP2&3) 5624'-29', 5668'-76', 5684'-94'	.41"	4/92	5624'-5694'	Frac w/ 49,660# 20/40 sand in 443 bbls fluid
(LODC) 5341'-5390'	.41"	4/98	5341'-5390'	Frac w/ 208,485# 20/40 sand in 1426 bbls fluid
(A1) 5133'-5146'	.41"	4/52	5133'-5146'	Frac w/ 22,145# 20/40 sand in 239 bbls fluid
(D2) 4776'-4784'	.41"	4/32	4776'-4784'	Frac w/ 30,076# 20/40 sand in 305 bbls fluid
(DS3) 4687'-4694'	.41"	4/28	4687'-4694'	Frac w/ 40,492# 20/40 sand in 366 bbls fluid
(GB4&6) 4240'-4248', 4272'-4283'	.41"	4/76	4240'-4283'	Frac w/ 78,696# 20/40 sand in 577 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
5/27/05	2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	62	12	32	194

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
		----->				

RECEIVED
JUN 28 2005
DIV. OF OIL, GAS & MINING

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mandie Crozier TITLE Regulatory Specialist DATE 6/27/2005

MC

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Well Name **Federal 5-5-9-18**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	3769'	
Garden Gulch 1	3936'	
Garden Gulch 2	4054'	
Point 3 Mkr	4314'	
X Mkr	4538'	
Y-Mkr	4571'	
Douglas Creek Mkr	4701'	
BiCarbonate Mkr	4935'	
B Limestone Mkr	5070'	
Castle Peak	5524'	
Basal Carbonate	5933'	
Total Depth (LOGGERS	5998'	

Entity Form 6
"C" Change from one existing entity to another existing entity

API	Well	Sec	Twsp	Rng	Entity	Entity Eff Date
4304735697	FEDERAL 15-13-9-17	13	090S	170E	14828 to 14844	9/20/2005
4304735698	FEDERAL 13-13-9-17	13	090S	170E	14813 to 14844	9/20/2005
4304735699	FEDERAL 11-13-9-17	13	090S	170E	14837 to 14844	9/20/2005
4304735702	FEDERAL 5-13-9-17	13	090S	170E	14836 to 14844	9/20/2005
4304736012	FEDERAL 14-13-9-17	13	090S	170E	14790 to 14844	9/20/2005
4304732438	FEDERAL 44-14Y	14	090S	170E	11506 to 14844	9/20/2005
4304735708	FEDERAL 9-14-9-17	14	090S	170E	14808 to 14844	9/20/2005
4304735709	FEDERAL 11-14-9-17	14	090S	170E	14734 to 14844	9/20/2005
4304735710	FEDERAL 15-14-9-17	14	090S	170E	14735 to 14844	9/20/2005
4304736068	FEDERAL 14-14-9-17	14	090S	170E	14770 to 14844	9/20/2005
4304736069	FEDERAL 10-14-9-17	14	090S	170E	14787 to 14844	9/20/2005
4304736071	FEDERAL 6-14-9-17	14	090S	170E	14809 to 14844	9/20/2005
4304731181	FEDERAL 14-4-9-18	04	090S	180E	14601 to 14844	9/20/2005
4304732653	FEDERAL 13-4-9-18	04	090S	180E	14602 to 14844	9/20/2005
4304732654	FEDERAL 11-4-9-18	04	090S	180E	14603 to 14844	9/20/2005
4304735473	FEDERAL 1-4-9-18	04	090S	180E	14533 to 14844	9/20/2005
4304735474	FEDERAL 7-4-9-18	04	090S	180E	14499 to 14844	9/20/2005
4304735475	FEDERAL 9-4-9-18	04	090S	180E	14530 to 14844	9/20/2005
4304735589	FEDERAL 2-4-9-18	04	090S	180E	14485 to 14844	9/20/2005
4304735590	FEDERAL 3-4-9-18	04	090S	180E	14697 to 14844	9/20/2005
4304735591	FEDERAL 5-4-9-18	04	090S	180E	14680 to 14844	9/20/2005
4304735592	FEDERAL 6-4-9-18	04	090S	180E	14696 to 14844	9/20/2005
4304735593	FEDERAL 8-4-9-18	04	090S	180E	14528 to 14844	9/20/2005
4304735594	FEDERAL 10-4-9-18	04	090S	180E	14535 to 14844	9/20/2005
4304735595	FEDERAL 12-4-9-18	04	090S	180E	14670 to 14844	9/20/2005
4304732503	21BALCRON FED 31-5Y	05	090S	180E	11680 to 14844	9/20/2005
4304735290	FEDERAL 5-5-9-18	05	090S	180E	14669 to 14844	9/20/2005
4304735292	FEDERAL 9-5-9-18	05	090S	180E	14554 to 14844	9/20/2005
4304735293	FEDERAL 11-5-9-18	05	090S	180E	14769 to 14844	9/20/2005
4304735294	FEDERAL 13-5-9-18	05	090S	180E	14658 to 14844	9/20/2005
4304735505	FEDERAL 14-5-9-18	05	090S	180E	14687 to 14844	9/20/2005
4304735506	FEDERAL 12-5-9-18	05	090S	180E	14651 to 14844	9/20/2005
4304735891	FEDERAL 10-5-9-18	05	090S	180E	14698 to 14844	9/20/2005
4304734933	FEDERAL 6-6-9-18	06	090S	180E	14152 to 14844	9/20/2005
4304734934	FEDERAL 7-6-9-18	06	090S	180E	14126 to 14844	9/20/2005
4304734936	FEDERAL 13-6-9-18	06	090S	180E	14049 to 14844	9/20/2005

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

June 30, 2005

Newfield Production Company
Attn: Kelly L. Donohoue
1401 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Gentlemen:

The Sundance (Green River) Unit Agreement, Uintah County, Utah, was approved June 30, 2005. This agreement has been designated No. UTU82472X, and is effective July 1, 2005. The unit area embraces 11,143.86 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sundance (Green River) Unit will be covered by your nationwide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

UTU0075174	UTU39713	UTU65970*	UTU79013*
UTU16539*	UTU39714	UTU74404	UTU79014*
UTU16540	UTU44429	UTU74835	UTU80915
UTU17424*	UTU64806*	UTU74872*	UTU82205
UTU18043	UTU65969	UTU75234	

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 228-08 are fully committed. Docket No 2005-009

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

RECEIVED
JUL 07 2005
DIV. OF OIL, GAS & MINING

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Certification-Determination, signed by the School and Institutional Trust Land Administration for the State of Utah, is attached to the enclosed agreement. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Terry Catlin

Terry Catlin
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Mary Higgins w/enclosure
MMS - Data Management Division (Attn: James Sykes)
Trust Lands Administration
Division of Oil, Gas and Mining
Field Manager - Vernal w/enclosure
File - Sundance (Green River) Unit w/enclosure
Agr. Sec. Chron
Fluid Chron
Central Files

UT922:TAThompson:tt:06/30/2005

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
http://www.epa.gov/region8

SEP - 5 2007

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

David Gerbig
Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

43.047.35290
9S 18E 5

Re: Final Permit
EPA UIC Permit UT21110-07542
Federal 5-5-9-18
Uintah County, Utah

Dear Mr. Gerbig:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 5-5-9-18 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on 8/17/07. No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C Subpart 1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit.

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

RECEIVED
SEP 10 2007
DIV. OF OIL, GAS & MINING

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 312-6174.

Sincerely,

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit
Statement of Basis
Form 7520-7 Application to Transfer Permit
Form 7520-11 Monitoring Report
Form 7520-12 Well Rework Record
Form 7520-13 Plugging Record

cc: Letter only:

Curtis Cesspooch
Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Irene Cuch
Vice-Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Frances Poowegup
Councilwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ronald Groves
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Steven Cesspooch
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Phillip Chimburas
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Chester Mills
Superintendent
U .S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

cc: all enclosures:

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Lynn Becker
Director
Energy & Minerals Dept.
Ute Indian Tribe

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, Utah

cc: Letter only:

Nathan Wiser
8ENF-UFO

EPA

UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT

PREPARED: August 2007

Permit No. UT21110-07542

Class II Enhanced Oil Recovery Injection Well

Federal 5-5-9-18
Uintah County, UT

Issued To

Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Federal 5-5-9-18
2436' FSL 813' FWL, SWNW S5, T9S, R18E
Uintah County, UT

EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: AUG 3 1 2007 Effective Date AUG 3 1 2007

Carol L. Campbell

Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

(a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and

(b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:

  (i) on the injection tubing; and

  (ii) on the tubing-casing annulus (TCA); and

(c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and

(d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

(a) There is no significant leak in the casing, tubing, or packer (Part I); and

(b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

(a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and

(i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or

(ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

(a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.

(b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

(a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;

(b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;

(c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

(b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.

(c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.

(d) Pressures are to be measured in pounds per square inch (psi).

(e) Fluid volumes are to be measured in standard oil field barrels (bbl).

(f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

(a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.

(b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

(c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

(a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or

(b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

(b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and

(c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging , or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

(a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.

(b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.

(d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.

(e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:

(i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or

(ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

(f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.

(g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.

(h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

(a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or

(b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No. 5-5-9-17 was drilled to a total depth of 6000 (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 315 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5983 feet (KB) in a 7-7/8 inch hole with 375 sacks of Premium Lite II and 450 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 653 feet from the surface. The Cement Bond Log identifies top of cement at 550 feet.

The schematic diagram shows enhanced recovery injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3773 feet and the top of the Wasatch Formation (Estimated to be 6058 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be required to be set no higher than 100 feet above the top perforation.

Federal 5-5-9-18

Spud Date: 4-18-05

Put on Production: 5-27-05

GL: 4978' KB: 4990'

Initial Production: BOPD: 62
MCFPD: 12 BWPD: 32

Proposed Injection
Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 305.17' (7 jts.)

DEPTH LANDED: 315.17' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sks Class G, est. bbls to pit

TOC @ 550'

Base USDWs ~228'

315'

653' TOC/EPA

2150' Green River

2942' Trona

2982-98 Mahogany B.

3756'-73 Confine Zone

3773' Garden Gulch

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 133 jts. (5985.31')

DEPTH LANDED: 5983.31'

HOLE SIZE: 7-7/8"

CEMENT DATA: 375 sks Premilte II & 450 sks 50/50 POZ

CEMENT TOP AT: 550'

80% Bond 3946' - 4179'

TUBING

SIZE/GRADE/WT.: 2-7/8 J-55

NO. OF JOINTS: 172 jts. (5716.21')

TUBING ANCHOR: 5728.21' KB

NO. OF JOINTS: 1 jt. (33.40')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5763.11' KB

NO. OF JOINTS: 2 jts. (66.83')

TOTAL STRING LENGTH: EOT @ 5862.79' W/12' KB

Packer @ 4205'

4240'-4248'

4272'-4283'

4687'-4694'

4776'-4784'

5133'-5146'

5341'-5390'

5624'-5629'

5708'-5716'

5781'-5789'

5788'-5796'

5832'-5840'

PBTD @ 5937'

TD @ 5990'

Douglas Creek 4703'

Castle Peak Member 5524'

5933' Basal Carb.

Est. 6058' Wasatch

FRAC JOB

5/23/05 5788'-5840' Frac CP1&5 sand as follows:
35,717#'s of 20/40 sand in 378 bbls Lightning 17 frac fluid. Treated @ ave pressure of 1758 w/ ave rate of 25.5 w/ 8 ppg of sand. ISIP was 1950. Calc. flush: 5786 gals., actual flush 5838 gals.

5/23/05 5624'-5694' Frac CP2&3 sand as follows:
49,000#'s of 20/40 sand in 443 bbls of lightning 17 frac fluid. Treated @ ave pressure of 1575 w/ave rate of 25.4 w/up to 8 ppg of sand. ISIP was 1400. Calc. flush: 5622 gals. actual flush 5628 gals.

5/23/05 5341'-5390' Frac LODC sand as follows:
208,485#'s of 20/40 sand in 1420 bbls of lightning 17 frac fluid. Treated ave pressure of 1731 w/ ave rate of 25 w/8 ppg of sand. ISIP was 2130. Calc. flush 5339 gals., actual flush 5334 gals.

5/24/05 5133'-5146' Frac A1 sand as follows:
22,145#'s of 20/40 sand in 239 bbls of lightning 17 frac fluid. Treated @ ave pressure of 2284 w/ave rate of 25 w/up to 8 ppg of sand. ISIP was 1825. Calc. flush: 5131 gals. actual flush 5040 gals.

5/24/05 4776'-4784' Frac D2 sand as follows:
30,076#'s of 20/40 sand in 305 bbls of lightning 17 frac fluid. Treated @ ave pressure of 1682 w/ave rate of 25 w/up to 8 ppg of sand. ISIP was 1860. Calc. flush: 4774 gals. actual flush 4830 gals.

5/24/05 4687'-4694' Frac DS3 sand as follows:
10,492#'s of 20/40 sand in 166 bbls of lightning 17 frac fluid. Treated @ ave pressure of 2270 w/ave rate of 25.1 w/up to 8 ppg of sand. ISIP was 1400. Calc. flush: 4685 gals. actual flush 4662 gals.

5/24/05 4240'-4283' Frac GB4&6 sand as follows:
78,690#'s of 20/40 sand in 577 bbls of lightning 17 frac fluid. Treated @ ave pressure of 2041 w/ave rate of 25.2 w/up to 8 ppg of sand. ISIP was 2100. Calc. flush: 4238 gals. actual flush 4158 gals.

PERFORATION RECORD

5/17/05	5832'-5840'	4 JSPF	32 holes
5/17/05	5788'-5796'	4 JSPF	32 holes
5/23/05	5684'-5694'	4 JSPF	40 holes
5/23/05	5684'-5694'	4 JSPF	40 holes
5/23/05	5708'-5716'	4 JSPF	32 holes
5/23/05	5624'-5629'	4 JSPF	20 holes
5/23/05	5341'-5390'	4 JSPF	98 holes
5/23/05	5133'-5146'	4 JSPF	52 holes
5/24/05	4776'-4784'	4 JSPF	32 holes
5/24/05	4687'-4694'	4 JSPF	28 holes
5/24/05	4272'-4283'	4 JSPF	44 holes
5/24/05	4240'-4248'	4 JSPF	32 holes

NEWFIELD

Federal 5-5-9-18
2436' FSL & 813' FWL
SW/NW Section 5-T9S-R18E
Uintah Co, Utah
API #43-047-35290; Lease UTU-65970

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.
Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.
Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: Federal 5-5-9-18

TYPE OF TEST	DATE DUE
Radioactive Tracer Survey (2)	Within a 180-day period following commencement of injection and at least once every five (5) years thereafter.
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once every five (5) years thereafter.
Pore Pressure	Prior to receiving authorization to inject.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi) ZONE 1 (Upper)
Federal 5-5-9-18	1,015

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Federal 5-5-9-18

FORMATION NAME	APPROVED INJECTION INTERVAL (KB, ft) TOP	BOTTOM	FRACTURE GRADIENT (psi/ft)
Green River	3,773.00	6,058.00	0.680

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and averaged annulus pressure(s) (psig)
	Each month's averaged injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

Newfield Production Company
1401 Seventeenth Street - Suite 1000
Denver, CO 80202

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required

PLUG NO. 1: Remove downhole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set cast iron bridge plug (CIBP) no more than fifty (50) feet above the top perforation with a minimum 20-foot cement plug on top.

PLUG NO. 2: Set a balanced cement plug 2890 feet to 3050 feet, i.e., approximately fifty (50) feet above the top of the Trona and fifty (50) feet below the base of the Mahogany Bench.

PLUG NO. 3: Set a minimum 100-foot cement plug across the contact between the Uinta Formation and the Green River Formation, i.e., 2100 feet to 2200 feet.

PLUG NO. 4: Perforate 4 JSPF at 365 feet. Circulate Class "G" cement down the 5-1/2 inch casing to 365 feet and up the 5-1/2 inch X 8-5/8 inch casings annulus to the surface.

Attachment Q-2

Spud Date: 4/18/05

Put on Production: 5/27/05

GL: 4978' KB: 4990'

Federal 5-5-9-18

Proposed P & A
Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 303.47' (7 jts.)

DEPTH LANDED: 315.47' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sks Class G, est. bbls to pit

Base USDWs <228'

Casing Shoe @ 315'

TOC @ 550'

Circulate 114 sx Class G Cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

Perforate 4 JSPF @ 365'

PRODUCTION CASING

Cement Plug 2100'-2200'

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 133 jts. (5985.31')

Cement Plug 2896'-3050'

DEPTH LANDED: 5983.31'

HOLE SIZE: 7-7/8"

CEMENT DATA: 375 sks Premilite II & 150 sks 50/50 POZ

CEMENT TOP AT: 550'

2150 Green River

2942' Trona

2982-2998' Mahogany Bench

3946-4179' 80% Bond

20'+ Class G Cement plug on top of CIBP

CIBP @ 4190

4240'-4248'

4272'-4283'

4703' Douglas Creek

4687'-4691'

4776'-4784'

5133'-5146'

5311'-5390'

5621'-5629'

5008'-5076'

5081'-5091'

5788'-5796'

5832'-5840'

PBTD @ 5923'

Shoe @ 5983'

TD @ 6000'

PERFORATION RECORD

5/17/05	5832'-5840'	4 JSPF	32 holes
5/17/05	5788'-5796'	4 JSPF	32 holes
5/23/05	5081'-5091'	4 JSPF	40 holes
5/23/05	5081'-5091'	4 JSPF	40 holes
5/23/05	5008'-5076'	4 JSPF	32 holes
5/23/05	5621'-5629'	4 JSPF	20 holes
5/23/05	5311'-5390'	4 JSPF	98 holes
5/23/05	5133'-5146'	4 JSPF	52 holes
5/23/05	4776'-4784'	4 JSPF	32 holes
5/23/05	4687'-4691'	4 JSPF	28 holes
5/24/05	4272'-4283'	4 JSPF	44 holes
5/24/05	4240'-4248'	4 JSPF	32 holes

NEWFIELD

Federal 5-5-9-18
2436' FSL & 813' FWL
SW NW Section 5-T9S-R18E
Uintah Co, Utah
API #43-047-35290; Lease #UTU-65970

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY
FEDERAL 5-5-9-18
UINTAH COUNTY, UT

EPA PERMIT NO. UT21110-07542

CONTACT: Emmett Schmitz
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
1595 Wynkoop Street
Denver, Colorado 80202-1129
Telephone: 1-800-227-8917 ext. 312-6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

on

November 6, 2006

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 5-5-9-18
2436' FSL 813' FWL, SWNW S5, T9S, R18E
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

TABLE 1.1

WELL STATUS / DATE OF OPERATION

NEW WELLS

Well Name	Well Status	Date of Operation
Federal 5-5-9-18	New	N/A

PART II. Permit Considerations (40 CFR 146.24)

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations,

water analyses of the Green River Formation generally exhibit total dissolved (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional 'freshening' is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field, T7-8-9S and R15-18E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63 MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the climatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uintah Formation outcrop and compose the surface rock throughout the area. The lower 600 ft to 800 ft of the Uinta Formation, consisting generally of shale interbedded with occasionally water-bearing sandstone lenses between 5 ft to 20 ft thick, is underlain by the Green River Formation. The Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone deposits that intertongue with the Green River sediments are of the Colton and Wasatch Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200'/mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 ft to 6 ft wide but up to 28 ft wide, may extend many miles in length and occasionally extend as deep as 2000 ft. In this area within the Greater Monument Butte Field there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2000 ft, far above the protective confining layer and much deeper injection zone. Newfield and the owner of this former gilsonite mine have agreed to conditions for operation near this vein to ensure no potential for impact to this vein or to ground water from enhanced oil recovery operations.

TABLE 2.1
GEOLOGIC SETTING
Federal 5-5-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta (USDW)	0	228	< 10,000	Sand and shale
Uinta	228	2,150	> 10,000	Interbedded sand, shale with minor carbonate.
Green River	2,150	6,058	> 10,000	Interbedded lacustrine sand,shale and carbonate with fluvial sand and shale.

Proposed Injection Zone(s) · (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The approved interval for enhanced recovery injection is located beween the top of the Garden Gulch Member (3773 feet) and the top of the Wasatch Formation which is estimated to be 6058 feet.

TABLE 2.2
INJECTION ZONES
Federal 5-5-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,773	6,058	> 10,000	0.680		N/A

*** C - Currently Exempted**
E - Previously Exempted
P - Proposed Exemption
N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The 17-foot shale Confining Zone (3756 feet - 3773 feet) overlies the top of the Garden Gulch Member.

TABLE 2.3
CONFINING ZONES
Federal 5-5-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale	3,756	3,773

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

The State of Utah "Water Wells and Springs", http//NRWRT1.STATE.UT.US, identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Federal No. 5-5-9-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation, approximately 228 feet from the surface.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Federal 5-5-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta	Sand and shale	0	228	< 10,000

PART III. Well Construction (40 CFR 146.22)

The Federal No. 5-5-9-18 was drilled to a total depth of 6000 (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 315 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5983 feet (KB) in a 7-7/8 inch hole with 375 sacks of Premium Lite II and 450 sacks of 50/50 poz mix.

The CBL identifies top of cement at 550 feet. The EPA calculates the top of cement as 653 feet from the surface.

The schematic diagram shows enhanced recovery injection perforations in Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3773 feet and the top of the Wasatch Formation (Estimated to be 6058 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be required to be set no higher than 100 feet above the top perforation.

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Federal 5-5-9-18

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.88	5.50	0 - 5,983	550 - 6,000
Surface	12.25	8.63	0 - 315	0 - 315

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under conditions of the Permit.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1
AOR AND CORRECTIVE ACTION

Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Federal 11-5-9-18	Producer	No	5,990	90	No
Federal 12-5-9-18	Producer	No	5,980	110	No
Federal 6-5-9-18	Producer	No	6,050	120	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

PART V. Well Operation Requirements (40 CFR 146.23)

TABLE 5.1
INJECTION ZONE PRESSURES
Federal 5-5-9-18

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	4,240	0.680	1,015

Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

The proposed injectate is a blend of culinary source water from the Johnson Water District reservoir and produced Green River Formation water from wells proximate to the Federal No. 5-5-9-18.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate

a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)
fg = fracture gradient (from submitted data or tests)
sg = specific gravity (of injected fluid)
d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative volume of authorized fluid injected into the Green River Formation interval 3773 feet to the top of the Wasatch Formation which is estimated to be 6085 feet.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, which ever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

PART II MI: The CBL indicates that cement does not meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% bond, or better) through the

Confining Zone. Therefore, further testing for Part II MI will be required prior to injection and at least once every five years thereafter. The demonstration shall be by Temperature Survey or other approved test. Approved tests for demonstrating Part II MI include a Temperature Survey, Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than 50 feet above the top injection perforation. Place at least 20 feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Bench shale zone: Squeeze cement a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench shale between approximately 2890 feet to 3050 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 160-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench Shale, approximately 2890 feet to 3050 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (2100 feet - 2200 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, from approximately 2100 feet to 2200 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 365 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Financial Statement that has been reviewed and approved by the EPA.

Financial Statement, received April 22, 2005

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-65970
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
8. WELL NAME and NUMBER: FEDERAL 5-5-9-18
9. API NUMBER: 4304735290
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2436 FNL 813 FWL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 5, T9S, R18E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARILY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[X] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[ ] OTHER: -
01/03/2008	[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 1/3/2008.
On 12/12/07 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 1/14/08. On 1/14/08 the csg was pressured up to 1090 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 450 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT21110-07542 API# 43-047-35290

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Ross TITLE Production Clerk

SIGNATURE Callie Ross DATE 01/16/2008

(This space for State use only)

RECEIVED
JAN 18 2008
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 1 / 14 / 06
Test conducted by: Trefley J. Ruza
Others present: _____

Well Name: Fed 5-5-9-18 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: SW/NW Sec: 05 T 9 N (S) R 18 (E) W County: Uinta State: UT
Operator: Newfield
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [X] No
Initial test for permit? [X] Yes [ ] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	450 psig	psig	psig
End of test pressure	450 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1090 psig	psig	psig
5 minutes	1090 psig	psig	psig
10 minutes	1090 psig	psig	psig
15 minutes	1090 psig	psig	psig
20 minutes	1090 psig	psig	psig
25 minutes	1090 psig	psig	psig
30 minutes	1090 psig	psig	psig
_____ minutes	— psig	psig	psig
_____ minutes	— psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

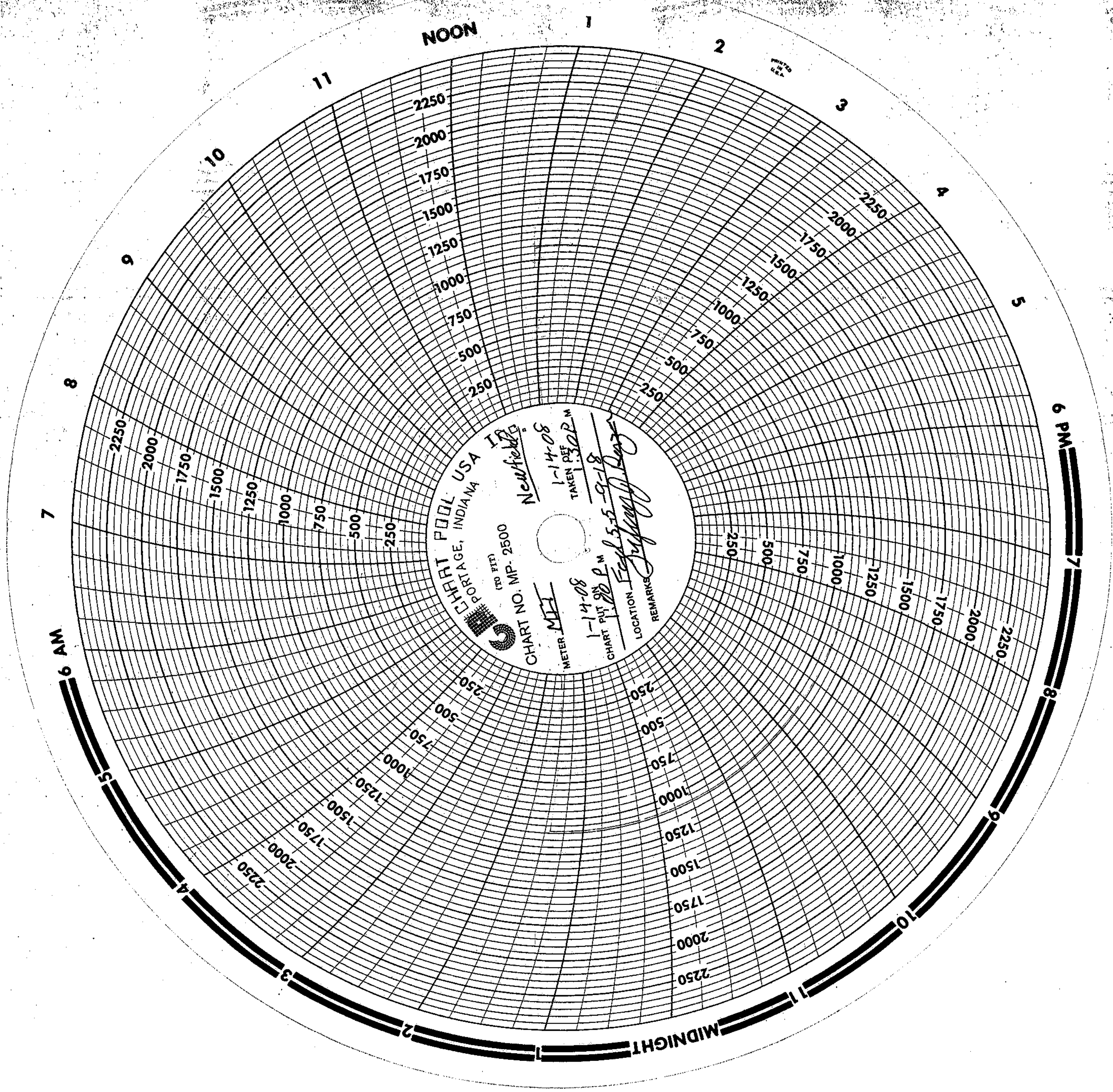

CHART POOL USA INC
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER
CHART PUT ON
TAKEN OFF
LOCATION
REMARKS
NOON
MIDNIGHT
6 AM
6 PM
250
500
750
1000
1250
1500
1750
2000
2250
PRINTED IN U.S.A.

Daily Activity Report

Format For Sundry

FEDERAL 5-5-9-18

10/1/2007 To 2/29/2008

12/13/2007 Day: 1 **Conversion**

NC #1 on 12/12/2007 - 11:30AM MIRU NC#1, R/D Unit, R/U D&M H/Oiler pmp 60 Bbls Wtr D/Csg, Unseat pmp, Flsh Tbg W/-35 Bbls Wtr, Seat pmp, P/Test Tbg To 3500 Psi, Good Test. Unseat pmp, POOH W/-1 1/2x22' Polish Rod, 85- 3/4x25' Guided Rods, SWI, 5:30PM C/SDFN.

12/14/2007 Day: 2 **Conversion**

NC #1 on 12/13/2007 - 6:30 OWU, R/U H/Oiler Flush Rods W/ 25 Bbls Wtr, RD H/Oiler, Finish L/D 139 3/4"X 25' Rods, 6 1 1/2" Wt Bars, 2 1/2 X 1 1/2" X 15 1/2' RHAC CDI Pmp On Float, R/D Well Head, R/U BOPS, Release T/A, POOH W/ 86 Jts Tbg, R/U H/Oiler & Pmp 20 Bbls Wtr Do To Oil, R/D H/Oiler, Finish POOH W/ 88 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C, P/U & RIH W/ 4 3/4" Bit, 5 1/2" Csg Scraper, SWI, 5:30 PM C/SDFN, 5:30 To 6:00 PM C/Trvl.

12/15/2007 Day: 3 **Conversion**

NC #1 on 12/14/2007 - 6:30 OWU, R/U H/Oiler Pmp 40 Bbls Wtr D/ Tbg, POOH W/ Tbg, Broke Odd Connections, Clean & Inspect Pins Apply Liquid O Ring To Pins, R/U H/Oiler To Csg, Trickle 15 Bbls Wtr D/ Backside Do To Oil, Pull 125 Jts Tbg To Derrick, L/D 52 Jts Tbg On Float, P/U RIH W/ Weatherford AS 1- X Pkr & S/N To 4193' (EOT), (Center Element @ 4,186') 125 Jts Tbg, Std Valve In Place, SWI, 5:30 PM C/SDFN, 5:30 To 6:00 PM C/Trvl.

12/18/2007 Day: 4 **Conversion**

NC #1 on 12/17/2007 - 6:30 OWU, R/U H/Oiler To Tbg Fill & Test To 3,000 Psi, R/D H/Oiler, Hold Pressure For 30 Min, Pressure Bled Off 900 Psi In 15 Min, R/U H/Oiler Bump Up To 3,000 Psi Again, R/D H/Oiler, Pressure Bled Off 1,500 Psi In 10 Min, R/U Fishing Tool & Fish Std Valve @ 4,186', R/U TIW Valve W/ 2' Tbg Sub On Top (Std valve In TIW) & R/U H/Oiler Pmp 20 Bbls Wtr Pad, Drop (New) Std Valve, Then Pmp 20 Bbls Wtr To Seat Std Valve, R/D H/Oiler, Take Out TIW & 2' Tbg Sub, Put In Isolation Valve, R/U H/Oiler, Pressure up To 3,000 Psi, R/D H/Oiler, Pressure Bled Off 1,000 Psi In 12 Min, R/U H/Oiler, Bump Back Up To 3,000 Psi, R/D H/Oiler, Pressure Bled Off 1,000 Psi In 15 Min, Bleed Off Pressure, POOH W/ 40 Jts Tbg, R/U H/Oiler, Pressure Up To 3,000 Psi, R/D H/Oiler, Pressure Bled Off Psi In 5 Min, RIH W/ 4 Jts Tbg, SWI, 5:30 PM C/SDFN, 5:30 TO 6:00 PM C/Trvl

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12/19/2007 Day: 5 **Conversion**

NC #1 on 12/18/2007 - 6:30 OWU, POOH W/ 44 Jts Tbg, R/U H/Oiler, Pressure To 3,000 Psi, R/D H/Oiler, Pressure Bled Off 500 Psi In 15 Min, R/U H/Oiler Bump Back Up To 3,000 Psi, R/D H/Oiler, Pressure Bled Off 800 Psi In 25 Min, Bleed Off Pressure, POOH W/ 20 More Jts Tbg, R/U H/Oiler, Pressure Up To 3,500 Psi, R/D H/Oiler, Good Test, Bleed Off Pressure, TIH W/ 10 Jts Tbg, Re-Torq Every Connection, R/U H/Oiler, Pressure Up To 3,500 Psi, R/D H/Oiler, Good Test, TIH W/ 50 Jts Tbg, R/U H/Oiler, Pressure Up To 3,000 Psi, R/D H/Oiler, Good Test, Bleed Off Pressure, TIH W/ 40 Jts Tbg, R/U H/Oiler, Pressure Up To 3,000 Psi, Hold For 30 Min, Pressure Bled Off 900 Psi In 20 Min, R/U H/Oiler, Bump Up To 3,000 Psi Again,

R/D H/Oiler, Pressure Bled Off 950 Psi In 15 Min, POOH W/ 20 Jts Tbg, R/U H/Oiler, Pressure Up To 3,000 Psi, R/D H/Oiler, Pressure Bled Off 500 Psi In 15 Min, RIH W/ 4 Jts Tbg, SWI, 5:30 PM C/SDFN, 5:30 To 6:00 PM C/Trvl.

12/20/2007 Day: 6 **Conversion**

NC #1 on 12/19/2007 - 6:30 OWU, POOH W/ 24 Jts Tbg, Tbg Started Foaming, R/U Fsh Tool & Fsh Std Valve, R/U TIW (Std Valve In Place) W/ 2' Tbg Sub On Top, Wait On Wtr Truck & H/Oiler, Thaw Out H/Oiler's Air Lines, R/U H/Oiler, Pmp 20 Bbls Wtr Pad, (Note: New Fresh Wtr From The 34 Tap), Drop Std Valve, Pmp 22 Bbls Wtr To Seat Std Valve, R/D TIW & 2' Tbg Sub, R/U Isolation Valve, Pressure Up To 1,000 Psi, Bleed Pressure Back Through H/Oiler's Truck, Do To Gas Bubbles, Start To Pressure Up Again, H/Oil Truck Breaks Driveline, Wait For Mechanic To Bring New Parts, TIH W/ 4 Jts Tbg, SWI, 5:30 PM C/SDFN, 5:30 To 6:00 PM C/Trvl.

12/21/2007 Day: 7 **Conversion**

NC #1 on 12/20/2007 - 6:30 OWU, R/U ZHO P/Test Tbg To 3200 Psi, Leak 400 Psi In 15 Min, Bump 2 Times. POOH W/-52 Jts Tbg, Total Of 90 Jts Tbg Total In Derrick. R/U S/Line Ovr Shot & Fish Std Vlve, R/U ZHO & Flsh Tbg W/-20 Bbls Wtr Due To Foam Wtr In Tbg. Drop Std Vlve, Fill Tbg W/-10 Bbls Wtr, P/Test Tbg To 3200 Psi, Held Good 15 Min, RIH W/-20 Jts Tbg, Fill Tbg & P/Test To 3200 Psi,Good Test. RIH W/-20 Jts Tbg, Fill & Try To P/Test Tbg To 3200 Psi, Bump Tbg 2 Times To 3200 Psi, Leak 80 Psi In 5 Min. RIH W/-2 Jts Dry Tbg For Freeze, 6:00PM SWI, C/SDFN.

12/22/2007 Day: 8 **Conversion**

NC #1 on 12/21/2007 - 6:30AM OWU, R/U ZHO Fill Tbg & Try To P/Test Tbg To 3200 Psi, Leak 150 Psi In 5 Min, Bump Pressure 2 Times On Tbg, Same Leak. RIH W/-S/Line Ovr Shot & Fish Std Vlve. RIH W/-48 Jts Tbg, Flush Tbg W/-30 Bbls Wtr, Drop New Std Vlve Down Tbg, pmp 25 Bbls Wtr Down Tbg, Std Vlve Did Not Go On Seat. R/U S/Line RIH & Push Std Vlve To Seat. R/U ZHO & Fill Tbg W/-7 Bbls Wtr, Pressure Test Tbg To 3200 Psi, (Note) Steadly Leaked 10 Psi In 5 Min, (No Test). R/U S/Line Ovr Shot, RIH & Fish Std Vlve. POOH W/-58 Jts Tbg, Replacing Collars & Redoping Tool Jts W/-Liquid O Ring, 5:30PM C/SDFN.

12/27/2007 Day: 9 **Conversion**

NC #1 on 12/26/2007 - 6:30AM OWU, R/U ZHO pmp 30 Bbls Wtr D/Csg Due To Oil, POOH W/-67 Jts Tbg, S/N & Pkr, Replacing All Collars & Redoping Tool Jts W/-Liquid O Ring. P/U & RIH W/-New Arrow #1 Pkr, S/N W/-Std Vlve In Place, Test In Hole W/-21 Jts Tbg To 3500 Psi, Leak 280 Psi In 5 Min, POOH W/-10 Jts Tbg, P/Test To 3500 Psi, Leak 280 Psi In 5 Min, POOH W/-11 Jts Tbg, S/N & Pkr. RIH W/-Pkr, S/N W/-(New) Std Vlve In Place, 3 Jts Tbg, P/Test To 3500 Psi, Good Test, Test In Hole W/-22 Jts Tbg To 3300 Psi, Good Test, RIH W/-40 Jts Tbg, SWI, 5:30PM C/SDFN.

12/28/2007 Day: 10 **Conversion**

NC #1 on 12/27/2007 - 6:30 AM OWU, Wait On D&M H/Oiler Due To Break Down. 3:00PM C/SDFN.

12/29/2007 Day: 11 **Conversion**

NC #1 on 12/28/2007 - 6:30 AM OWU, R/U D&M H/Oiler, Fill Tbg, Try To P/Test Tbg, Leak 1200 Psi In 5 Min. POOH W/-20 Jts Tbg, P/Test Tbg, Leak 10 Psi In 5 Min. POOH W/-10 Jts Tbg, P/Test Tbg, Leak 10 Psi In 5 Min. POOH W/-10 Jts Tbg, P/Test

Tbg, Leak 10 Psi In 5 Min. (Note) Had Hard Test On Tbg W/-25 Jts Total In Hole On 12-26-07, Posible Std Vlve Is Leaking. R/U S/Line Ovr Shot RIH & Fish Std Vlve. H/Oiler Flsh Tbg W/-20 Bbls Wtr, Drop Std Vlve Down Tbg. Std Vlve Did Not Go On Seat. R/U S/Line & Push Std Vlve To S/N. Fill Tbg, P/Test To 3300 Psi, (Note) Pressure Never Became Stable. 5:30PM C/SDFN.

1/3/2008 Day: 12 **Conversion**

NC #1 on 1/2/2008 - 6:30 AM OWU, R/U S/Line Ovr Shot RIH & Fish Std Vlve. RIH W/-100 Jts Tbg, Retorq Tool Jts On TIH. N/D BOP, N/U W/-HD, R/U D&M H/Oiler, pmp 20 Gal Pkr Fluid W/-50 Bbls Wtr. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. Fill Csg W/-23 Bbls Wtr. P/Test Csg & Pkr To 1450 Psi, Pressure Seem To Stablise @ 1440 Psi, Held Good 30 Min, 5:30PM SWI, C/SDFN.

1/4/2008 Day: 13 **Conversion**

NC #1 on 1/3/2008 - 6:30 AM OWU, Check Pressure On Csg, 1200 Psi, Good Test. R/D Rig, Move Out @ 9:00AM, (Final Report).

Pertinent Files: Go to File List

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

APR 9 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1401 Seventeenth Street - Suite 1000
Denver, CO 80202

43 047 35290
9S 18E 5

RE: **180-Day Limited Authorization to Inject**
Federal No. 5-5-9-18
EPA Permit No. UT21110-07542
Uintah County, Utah
API No. 43-047-35290

Dear Mr. Sundberg:

Newfield Production Company's (Newfield) January 16, 2008 submission of **Prior to Commencing Injection** documents did contain all information required to fulfill the Environmental Protection Agency's (EPA) requirements, as cited in the Well Permit UT21110-07542. The submitted data included a March 13, 2008 corrected EPA Well Rework Form (Form No. 7520-12), a Part I (Internal) Mechanical Integrity Test, and an injection zone pore pressure. All requirements were reviewed and approved by the EPA on March 17, 2008.

EPA is hereby authorizing injection into Federal No. 5-5-9-18 for a limited period of up to one hundred and eighty (180) calendar days, herein referred to as the "Limited Authorized Period". **The 180-Day "Limited Authorized Period" will commence upon the first date of enhanced recovery injection.** Permittee is responsible for notifying Emmett Schmitz, of my office, by letter within fifteen (15) working days of the date that enhanced recovery injection began. The initial maximum allowable injection pressure (MAIP) shall be **1015 psig.**

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index cement through the confining zone overlying the Garden Gulch Member, **the operator is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within the 180-day "Limited Authorized Period"**. Approved tests for demonstrating Part II (External) MI include a Temperature Survey, a Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances. The "Limited Authorized Period" allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II (External) MI, which is necessary because the proposed injection zone is under-pressured due to previous oil production from the zone, and the tests rely on stable formation pressure. Results of tests shall be submitted to Emmett Schmitz. EPA written approval with authority to re-commence injection is required prior to resuming injection following the "Limited Authorized Period".

Should you choose to apply for an increase to the MAIP, at any future date, **a demonstration of Part II (External) MI** must be conducted **in addition to the Step-Rate Test**. You must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during the test(s).

If you have any questions in regard to the above action, please contact Emmett Schmitz at 1-800-227-8917 (Ext. 312-6174), or 303-312-6174. Results from the Part II (External) MI Test, should be mailed directly to the **ATTENTION: EMMETT SCHMITZ** at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office Of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee, Ute Indian Tribe:
Curtis Cesspooch, Chairman
Irene Cuch, Vice-Chairman
Frances Poowegup, Councilwoman
Shaun Chapoose, Councilman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Ronald Groves, Councilman

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Chester Mills
Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources
Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, Utah

Michael Guinn
District Manager
Myton, Utah

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
USA UTU-65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL

SWNW Section 5 T9S R18E

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change Staus, put well on injection
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☒ Convert to	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above reference well was put on injection at 11:00AM on 4-30-08.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Kathy Chapman

Title
Office Manager

Signature
Kathy Chapman

Date
05/08/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by ..... Title ..... Date .....

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
MAY 09 2008
DIV. OF OIL, GAS & MINING

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-5-9-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304735290

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2436 FNL 813 FWL

SWNW Section 5 T9S R18E

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Step Rate Test
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on August 4, 2008. Results from the test indicate that the fracture gradient is .699 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1100 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Cheyenne Bateman

Title
Well Analyst Foreman

Signature

Date
08/07/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

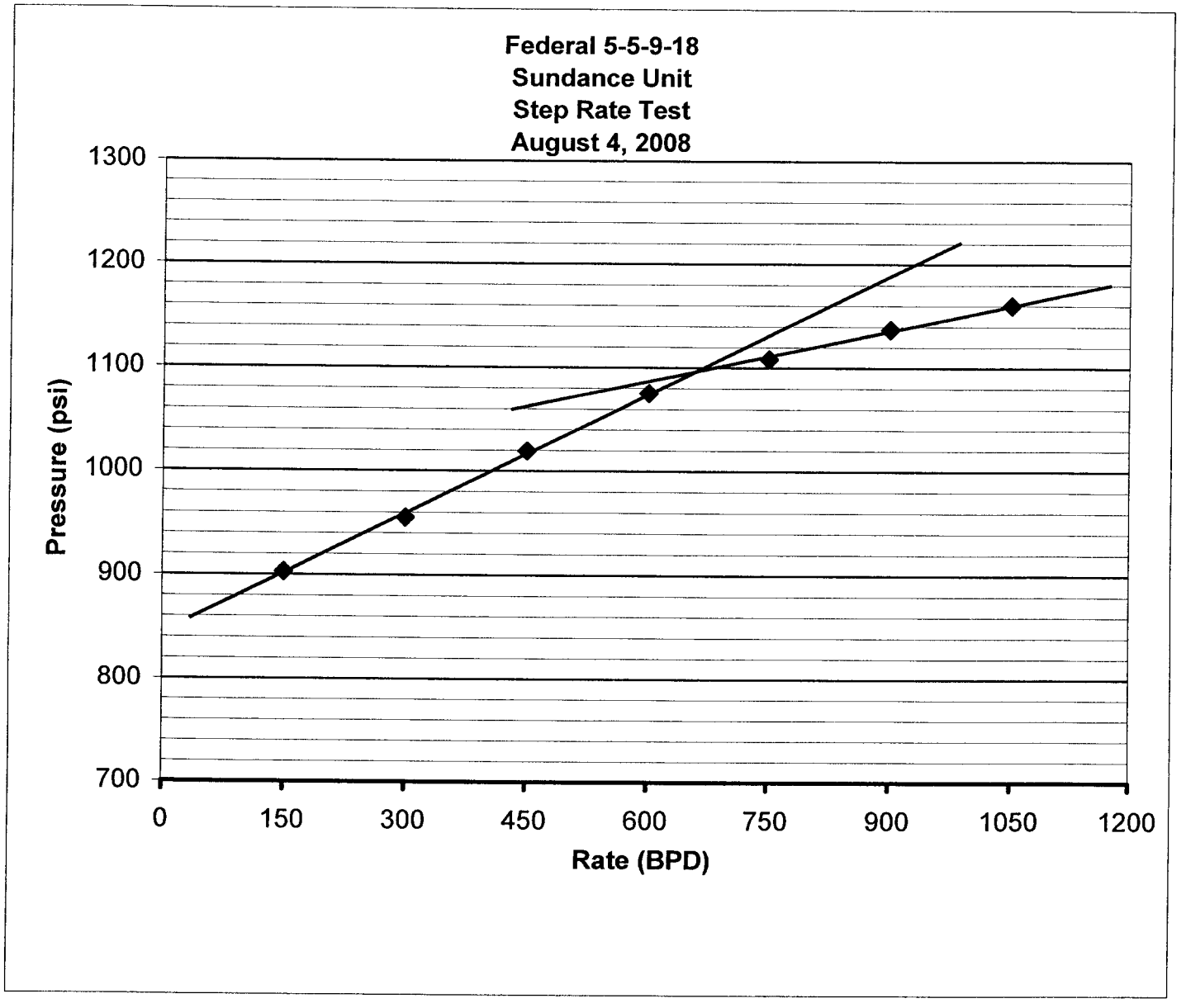
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED
AUG 11 2008
DIV. OF OIL, GAS & MINING



Start Pressure:	869	psi
Instantaneous Shut In Pressure (ISIP):	1110	psi
Top Perforation:	4240	feet
Fracture pressure (Pfp):	1100	psi
FG:	0.699	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	150	903
2	300	955
3	450	1019
4	600	1075
5	750	1108
6	900	1137
7	1050	1160

Step Rate Test (SRT) Analysis

Date: 08/07/2008

Operator: **Newfield Production Company**

Well: **Federal 5-5-9-18**

Permit #: **UT21110-07542**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.015**	*g/cc*	
Depth to top perforation (D) =	**4240**	*feet*	4240
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1100**	*psi*	
Instantaneous Shut In Pressure (ISIP) from SRT =	**1110**	*psi*	1100
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.699** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1110

D = depth used = 4240 *Pbhp used = 2963*

Calculated Bottom Hole Parting Pressure (Pbhp) = **2963** *psi* 2963.459

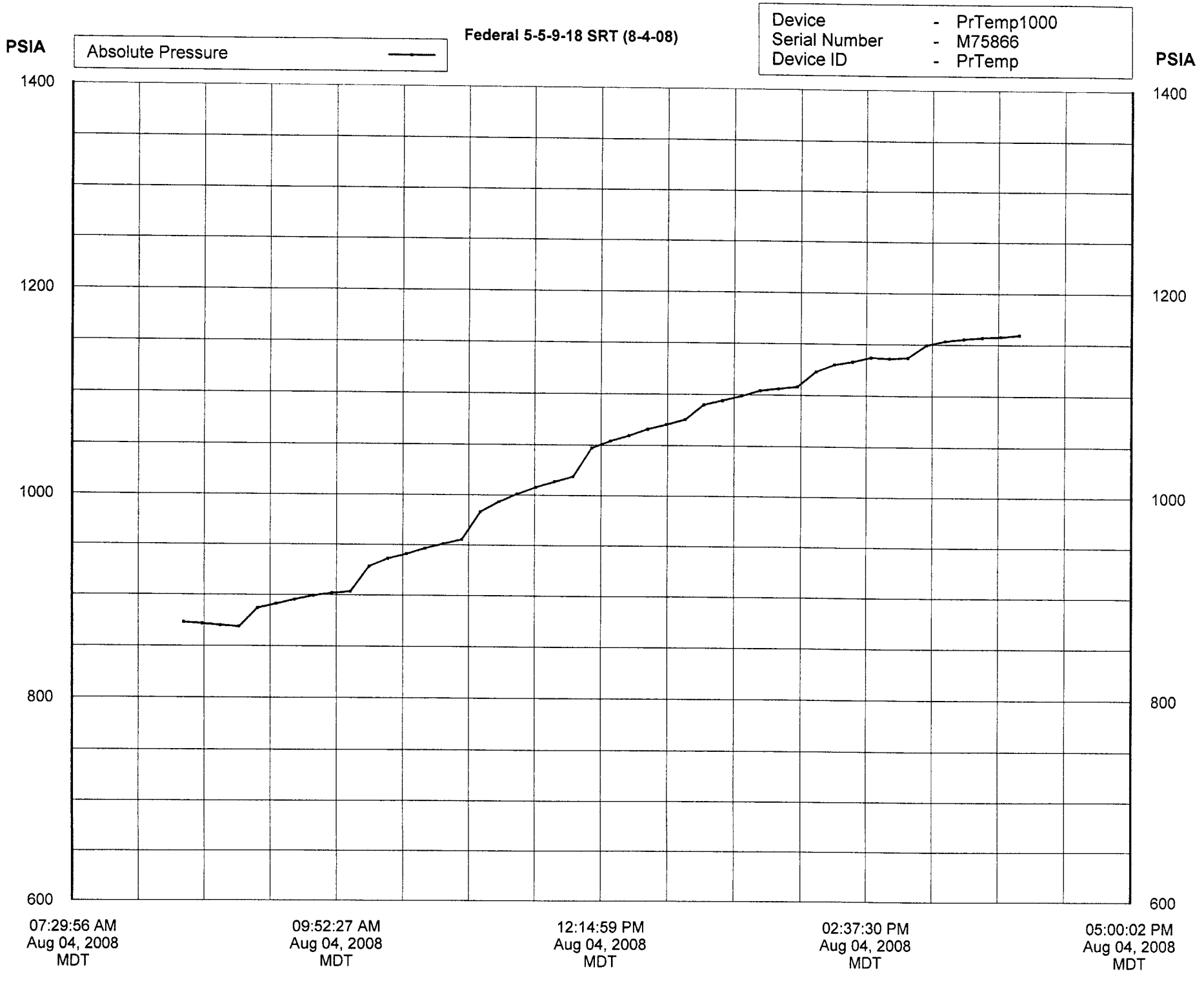
*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

(Uses lesser of ISIP or Pfp) Value used = 1100

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

Maximum Allowable Injection Pressure (MAIP) = **1100** *psig*

D = depth used = 4240 *MAIP = [fg - (0.433 * SG)] * D = 1100.301* *(rounded down to nearest 5 psig)*


PSIA
Absolute Pressure
Federal 5-5-9-18 SRT (8-4-08)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
1400
1200
1000
800
600
07:29:56 AM
Aug 04, 2008
MDT
09:52:27 AM
Aug 04, 2008
MDT
12:14:59 PM
Aug 04, 2008
MDT
02:37:30 PM
Aug 04, 2008
MDT
05:00:02 PM
Aug 04, 2008
MDT

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Report Date:	Aug 05, 2008 07:36:36 AM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 5-5-9-18 SRT (8-4-08).csv
Title:	Federal 5-5-9-18 SRT (8-4-08)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Aug 04, 2008 08:29:59 AM MDT
Data End Date:	Aug 04, 2008 03:59:59 PM MDT
Reading Rate:	1 Minute
Readings:	1 to 46 of 46
Last Calibration Date:	May 21, 2008
Next Calibration Date:	May 21, 2009

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Aug 04, 2008 08:29:59 AM	873.000 PSIA	
2	Aug 04, 2008 08:39:59 AM	871.600 PSIA	
3	Aug 04, 2008 08:49:59 AM	870.000 PSIA	
4	Aug 04, 2008 08:59:59 AM	868.800 PSIA	
5	Aug 04, 2008 09:09:59 AM	886.800 PSIA	
6	Aug 04, 2008 09:19:59 AM	891.000 PSIA	
7	Aug 04, 2008 09:29:59 AM	895.400 PSIA	
8	Aug 04, 2008 09:39:59 AM	899.200 PSIA	
9	Aug 04, 2008 09:49:59 AM	901.800 PSIA	
10	Aug 04, 2008 09:59:59 AM	903.400 PSIA	
11	Aug 04, 2008 10:09:59 AM	928.200 PSIA	
12	Aug 04, 2008 10:19:59 AM	936.000 PSIA	
13	Aug 04, 2008 10:29:59 AM	940.800 PSIA	
14	Aug 04, 2008 10:39:59 AM	946.400 PSIA	
15	Aug 04, 2008 10:49:59 AM	950.800 PSIA	
16	Aug 04, 2008 10:59:59 AM	955.400 PSIA	
17	Aug 04, 2008 11:09:59 AM	983.200 PSIA	
18	Aug 04, 2008 11:19:59 AM	993.200 PSIA	
19	Aug 04, 2008 11:29:59 AM	1001.000 PSIA	
20	Aug 04, 2008 11:39:59 AM	1007.800 PSIA	
21	Aug 04, 2008 11:49:59 AM	1013.400 PSIA	
22	Aug 04, 2008 11:59:59 AM	1018.600 PSIA	
23	Aug 04, 2008 12:09:59 PM	1047.000 PSIA	
24	Aug 04, 2008 12:19:59 PM	1054.000 PSIA	
25	Aug 04, 2008 12:29:59 PM	1059.400 PSIA	
26	Aug 04, 2008 12:39:59 PM	1065.800 PSIA	
27	Aug 04, 2008 12:49:59 PM	1070.400 PSIA	
28	Aug 04, 2008 12:59:59 PM	1075.400 PSIA	
29	Aug 04, 2008 01:09:59 PM	1089.800 PSIA	
30	Aug 04, 2008 01:19:59 PM	1094.000 PSIA	
31	Aug 04, 2008 01:29:59 PM	1098.600 PSIA	
32	Aug 04, 2008 01:39:59 PM	1104.000 PSIA	
33	Aug 04, 2008 01:49:59 PM	1106.000 PSIA	
34	Aug 04, 2008 01:59:59 PM	1108.200 PSIA	
35	Aug 04, 2008 02:09:59 PM	1122.800 PSIA	
36	Aug 04, 2008 02:19:59 PM	1129.800 PSIA	
37	Aug 04, 2008 02:29:59 PM	1132.800 PSIA	
38	Aug 04, 2008 02:39:59 PM	1137.000 PSIA	
39	Aug 04, 2008 02:49:59 PM	1136.200 PSIA	
40	Aug 04, 2008 02:59:59 PM	1137.000 PSIA	
41	Aug 04, 2008 03:09:59 PM	1149.400 PSIA	
42	Aug 04, 2008 03:19:59 PM	1153.400 PSIA	
43	Aug 04, 2008 03:29:59 PM	1155.400 PSIA	
44	Aug 04, 2008 03:39:59 PM	1157.000 PSIA	
45	Aug 04, 2008 03:49:59 PM	1157.800 PSIA	
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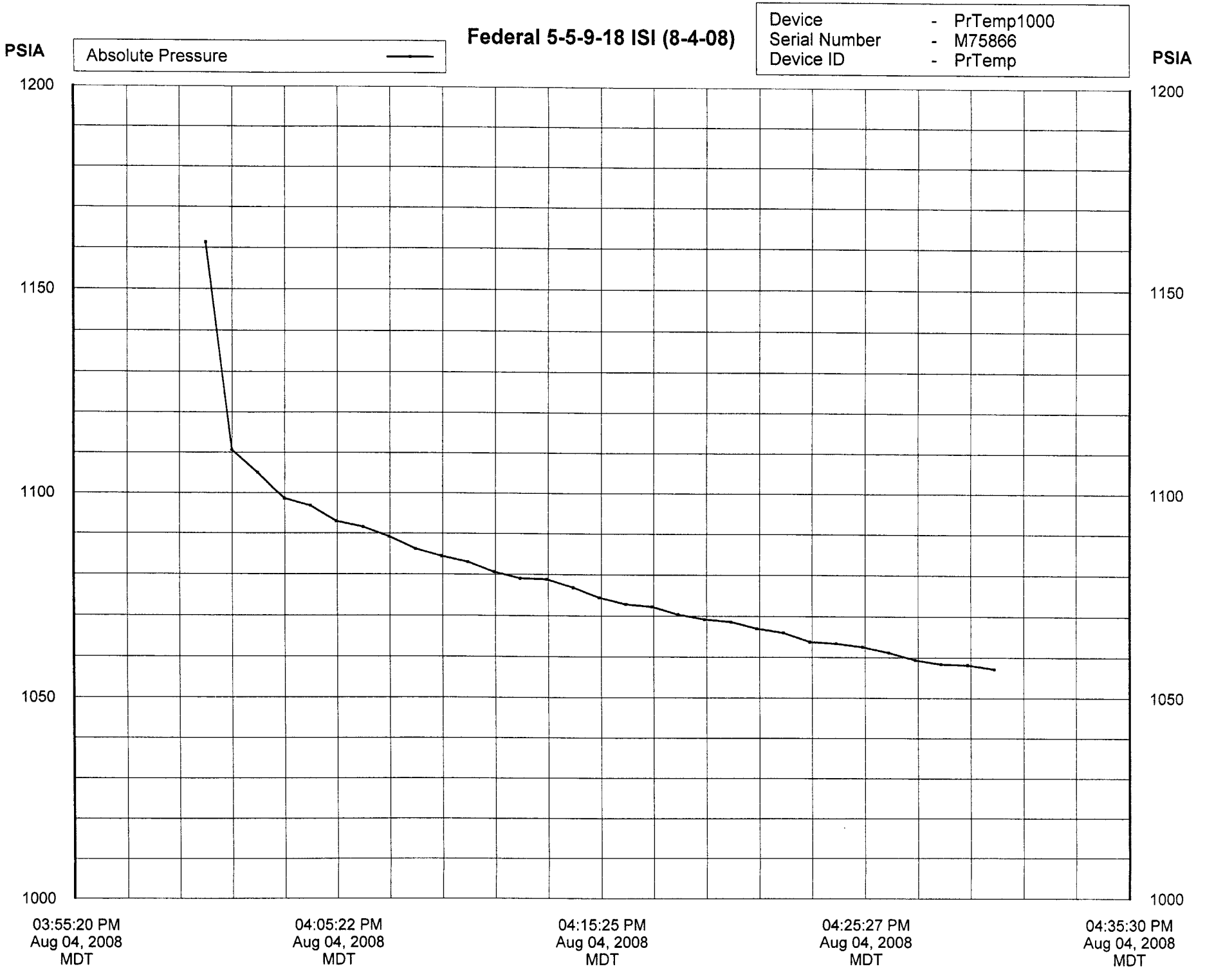
Federal 5-5-9-18 ISI (8-4-08)
Absolute Pressure
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
1200
1150
1100
1050
1000
03:55:20 PM
Aug 04, 2008
MDT
04:05:22 PM
Aug 04, 2008
MDT
04:15:25 PM
Aug 04, 2008
MDT
04:25:27 PM
Aug 04, 2008
MDT
04:35:30 PM
Aug 04, 2008
MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Aug 05, 2008 07:36:24 AM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 5-5-9-18 ISI (8-4-08).csv
Title:	Federal 5-5-9-18 ISI (8-4-08)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Aug 04, 2008 04:00:21 PM MDT
Data End Date:	Aug 04, 2008 04:30:21 PM MDT
Reading Rate:	1 Minute
Readings:	1 to 31 of 31
Last Calibration Date:	May 21, 2008
Next Calibration Date:	May 21, 2009

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Aug 04, 2008 04:00:21 PM	1161.400 PSIA	
2	Aug 04, 2008 04:01:21 PM	1110.600 PSIA	
3	Aug 04, 2008 04:02:20 PM	1105.000 PSIA	
4	Aug 04, 2008 04:03:21 PM	1098.600 PSIA	
5	Aug 04, 2008 04:04:21 PM	1096.800 PSIA	
6	Aug 04, 2008 04:05:20 PM	1093.000 PSIA	
7	Aug 04, 2008 04:06:21 PM	1091.600 PSIA	
8	Aug 04, 2008 04:07:21 PM	1089.200 PSIA	
9	Aug 04, 2008 04:08:21 PM	1086.200 PSIA	
10	Aug 04, 2008 04:09:21 PM	1084.400 PSIA	
11	Aug 04, 2008 04:10:21 PM	1083.000 PSIA	
12	Aug 04, 2008 04:11:21 PM	1080.600 PSIA	
13	Aug 04, 2008 04:12:20 PM	1079.000 PSIA	
14	Aug 04, 2008 04:13:21 PM	1078.800 PSIA	
15	Aug 04, 2008 04:14:21 PM	1076.800 PSIA	
16	Aug 04, 2008 04:15:20 PM	1074.400 PSIA	
17	Aug 04, 2008 04:16:21 PM	1072.800 PSIA	
18	Aug 04, 2008 04:17:21 PM	1072.200 PSIA	
19	Aug 04, 2008 04:18:20 PM	1070.400 PSIA	
20	Aug 04, 2008 04:19:21 PM	1069.200 PSIA	
21	Aug 04, 2008 04:20:21 PM	1068.600 PSIA	
22	Aug 04, 2008 04:21:20 PM	1067.000 PSIA	
23	Aug 04, 2008 04:22:21 PM	1066.000 PSIA	
24	Aug 04, 2008 04:23:21 PM	1063.800 PSIA	
25	Aug 04, 2008 04:24:21 PM	1063.400 PSIA	
26	Aug 04, 2008 04:25:21 PM	1062.600 PSIA	
27	Aug 04, 2008 04:26:21 PM	1061.200 PSIA	
28	Aug 04, 2008 04:27:21 PM	1059.400 PSIA	
29	Aug 04, 2008 04:28:20 PM	1058.400 PSIA	
30	Aug 04, 2008 04:29:21 PM	1058.200 PSIA	
31	Aug 04, 2008 04:30:21 PM	1057.200 PSIA	

Federal 5-5-9-18 Rate Sheet (8-4-08)

Step # 1	Time:	9:10	9:20	9:30	9:40	9:50	10:00
	Rate:	151.8	151.5	151.3	151.1	150.7	150.6
Step # 2	Time:	10:10	10:20	10:30	10:40	10:50	11:00
	Rate:	300.8	300.7	300.5	300.4	300.3	300.3
Step # 3	Time:	11:10	11:20	11:30	11:40	11:50	12:00
	Rate:	450.5	450.4	450.4	450.3	450.2	450
Step # 4	Time:	12:10	12:20	12:30	12:40	12:50	1:00
	Rate:	600.8	600.6	600.5	600.4	600.3	600.1
Step # 5	Time:	1:10	1:20	1:30	1:40	1:50	2:00
	Rate:	751.2	751.1	750.9	750.7	750.6	750.4
Step # 6	Time:	2:10	2:20	2:30	2:40	2:50	3:00
	Rate:	901	900.9	900.7	900.6	900.6	900.5
Step # 7	Time:	3:10	3:20	3:30	3:40	3:50	4:00
	Rate:	1051.4	1051.2	1051.1	1050.6	1050.4	1050.3
Step # 8	Time:						
	Rate:						
	Time:						
	Rate:						

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

FEB 04 2009

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

9S 18E 5

RE: **Authorization to Continue Injection**
EPA UIC Permit UT21110-07542
Well: Federal 5-5-9-18
Uintah County, Utah
API # 43-047-35290

Dear Mr. Guinn:

The Region 8 Ground Water Program office of the Environmental Protection Agency (EPA) received the results from the January 14, 2009 Radioactive Tracer Survey (RTS) used to demonstrate Part II (External) Mechanical Integrity (MI) in the Federal 5-5-9-18 Class II underground injection well. The results of the RTS were reviewed and approved on January 29, 2009, and the EPA has determined that the test adequately demonstrated Part II MI; that injected fluids will remain in the authorized injection interval at or below the Maximum Authorized Injection Pressure (MAIP) of **1,085 psig**.

The EPA hereby authorizes continued injection into Federal 5-5-9-18 under the terms and conditions of EPA UIC Permit UT21110-07542 at an **MAIP of 1,085 psig.**

You may apply for a higher maximum allowable injection pressure at a later date. Your application should be accompanied by the interpreted results from a Step-Rate Test (SRT) that measures the formation fracture pressure and the fracture gradient at this location. A current copy of EPA Guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in approval of a higher maximum allowable injection pressure, a new Part II MI demonstration must be run to show that the injected fluids will remain in the authorized injection interval at the higher pressure. Please note that to use a pressure greater than the **MAIP of 1,085 psig** during a SRT and RTS, you must first receive prior written authorization from the Director.

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FEB 09 2009
DIV. OF OIL, GAS & MINING

As of this approval, responsibility for Permit Compliance and Enforcement has been transferred to the Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

US EPA, Region 8
Attn: Nathan Wiser
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit. If you have any questions regarding this approval, please call Jason Deardorff at 800-227-8917 (ext. 312-6683). For questions regarding notification, testing, monitoring, reporting or other Permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211).

Sincerely,

for Eddie A. Sierra
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc:

Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	USA UTU-65970
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	GMBU
1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER WI	8. WELL NAME and NUMBER: FEDERAL 5-5-9-18
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4304735290
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2436 FNL 813 FWL	COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 5, T9S, R18E	STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
06/08/2011	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Step Rate Test
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on June 8, 2011. Results from the test indicate that the fracture gradient is 0.761 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1085 psi to 1360 psi.

EPA: UT21110-07542

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

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JUN 30 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Water Services Technician

SIGNATURE [signature] DATE 06/28/2011

(This space for State use only)

Step Rate Test (SRT) Analysis

Date: 06/09/2011

Operator: **Newfield Production Company**

Well: **Federal 5-5-9-18**

Permit #: **UT21110-07542**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.015**	*g/cc*	
Depth to top perforation (D) =	**4240**	*feet*	4240
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1365**	*psi*	
Instantaneous Shut In Pressure (ISIP) from SRT =	**1400**	*psi*	1365
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.761** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1400

D = depth used = 4240 *Pbhp used = 3228*

Calculated Bottom Hole Parting Pressure (Pbhp) = **3228** *psi* 3228.459

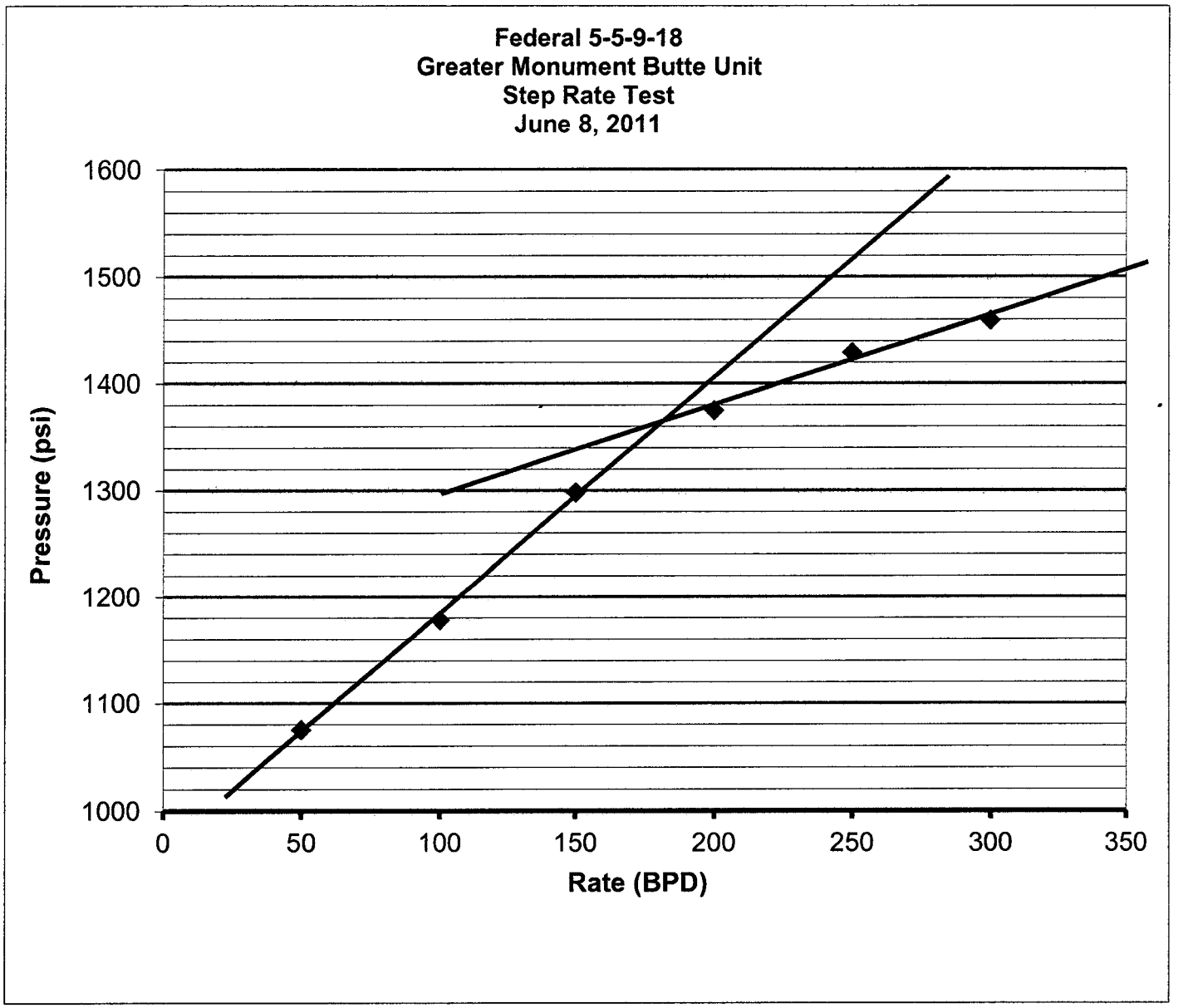
*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

(Uses lesser of ISIP or Pfp) Value used = 1365

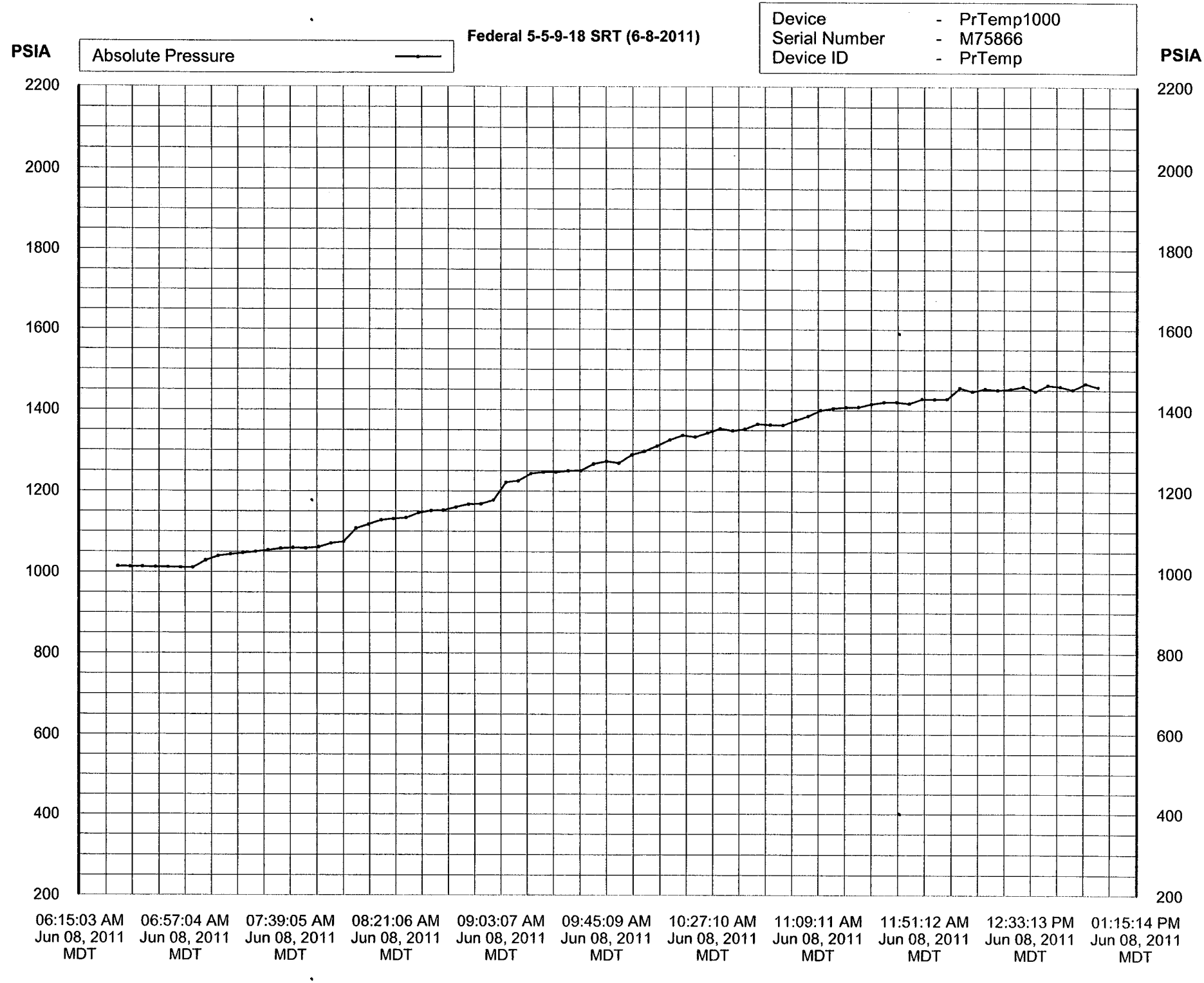
Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

Maximum Allowable Injection Pressure (MAIP) = **1360** *psig*

D = depth used = 4240 *MAIP = [fg - (0.433 * SG)] * D = 1363.181* *(rounded down to nearest 5 psig)*



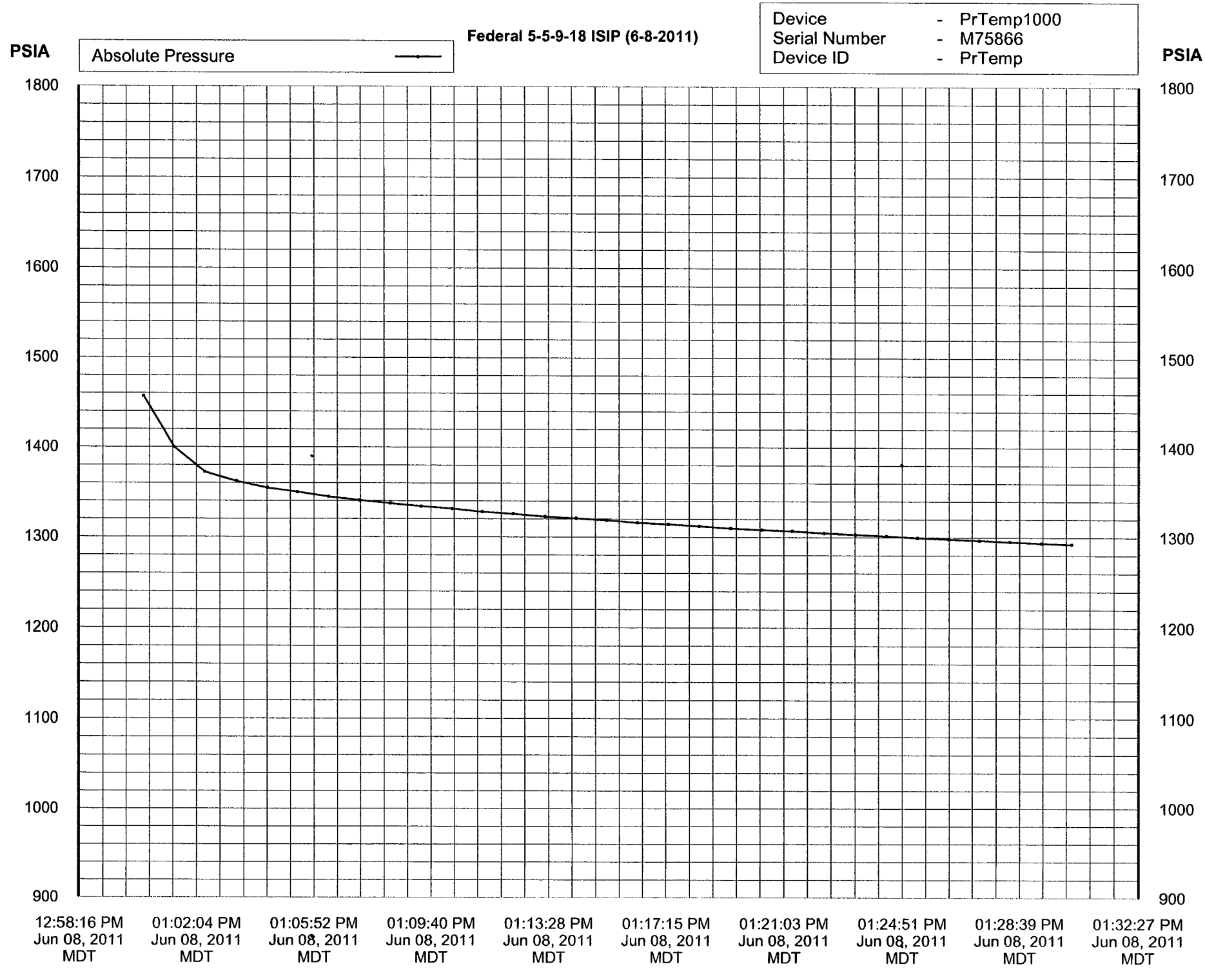
			Step	Rate(bpd)	Pressure(psi)
Start Pressure:	1011	psi	1	50	1075
Instantaneous Shut In Pressure (ISIP):	1400	psi	2	100	1178
Top Perforation:	4240	feet	3	150	1298
Fracture pressure (Pfp):	1365	psi	4	200	1375
FG:	0.761	psi/ft	5	250	1429
			6	300	1459


Federal 5-5-9-18 SRT (6-8-2011)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
PSIA
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
06:15:03 AM Jun 08, 2011 MDT
06:57:04 AM Jun 08, 2011 MDT
07:39:05 AM Jun 08, 2011 MDT
08:21:06 AM Jun 08, 2011 MDT
09:03:07 AM Jun 08, 2011 MDT
09:45:09 AM Jun 08, 2011 MDT
10:27:10 AM Jun 08, 2011 MDT
11:09:11 AM Jun 08, 2011 MDT
11:51:12 AM Jun 08, 2011 MDT
12:33:13 PM Jun 08, 2011 MDT
01:15:14 PM Jun 08, 2011 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Jun 09, 2011 11:49:20 AM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 5-5-9-18 SRT (6-8-2011).csv
Title:	Federal 5-5-9-18 SRT (6-8-2011)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Jun 08, 2011 06:30:08 AM MDT
Data End Date:	Jun 08, 2011 01:00:08 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 79 of 79
Last Calibration Date:	Apr 12, 2011
Next Calibration Date:	Apr 12, 2012

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jun 08, 2011 06:30:08 AM	1014.000 PSIA	
2	Jun 08, 2011 06:35:08 AM	1013.400 PSIA	
3	Jun 08, 2011 06:40:08 AM	1013.000 PSIA	
4	Jun 08, 2011 06:45:08 AM	1012.200 PSIA	
5	Jun 08, 2011 06:50:08 AM	1012.000 PSIA	
6	Jun 08, 2011 06:55:08 AM	1011.400 PSIA	
7	Jun 08, 2011 07:00:08 AM	1011.200 PSIA	
8	Jun 08, 2011 07:05:08 AM	1029.000 PSIA	
9	Jun 08, 2011 07:10:08 AM	1039.600 PSIA	
10	Jun 08, 2011 07:15:08 AM	1043.800 PSIA	
11	Jun 08, 2011 07:20:08 AM	1047.000 PSIA	
12	Jun 08, 2011 07:25:08 AM	1050.400 PSIA	
13	Jun 08, 2011 07:30:08 AM	1054.000 PSIA	
14	Jun 08, 2011 07:35:08 AM	1058.200 PSIA	
15	Jun 08, 2011 07:40:07 AM	1059.800 PSIA	
16	Jun 08, 2011 07:45:07 AM	1058.800 PSIA	
17	Jun 08, 2011 07:50:08 AM	1061.600 PSIA	
18	Jun 08, 2011 07:55:08 AM	1070.800 PSIA	
19	Jun 08, 2011 08:00:08 AM	1074.800 PSIA	
20	Jun 08, 2011 08:05:08 AM	1107.600 PSIA	
21	Jun 08, 2011 08:10:08 AM	1117.600 PSIA	
22	Jun 08, 2011 08:15:08 AM	1128.000 PSIA	
23	Jun 08, 2011 08:20:08 AM	1131.400 PSIA	
24	Jun 08, 2011 08:25:08 AM	1133.600 PSIA	
25	Jun 08, 2011 08:30:08 AM	1145.800 PSIA	
26	Jun 08, 2011 08:35:08 AM	1151.000 PSIA	
27	Jun 08, 2011 08:40:08 AM	1152.000 PSIA	
28	Jun 08, 2011 08:45:08 AM	1159.800 PSIA	
29	Jun 08, 2011 08:50:08 AM	1167.000 PSIA	
30	Jun 08, 2011 08:55:08 AM	1168.000 PSIA	
31	Jun 08, 2011 09:00:08 AM	1177.800 PSIA	
32	Jun 08, 2011 09:05:08 AM	1221.200 PSIA	
33	Jun 08, 2011 09:10:08 AM	1225.000 PSIA	
34	Jun 08, 2011 09:15:08 AM	1243.200 PSIA	
35	Jun 08, 2011 09:20:08 AM	1246.600 PSIA	
36	Jun 08, 2011 09:25:07 AM	1246.600 PSIA	
37	Jun 08, 2011 09:30:08 AM	1250.000 PSIA	
38	Jun 08, 2011 09:35:08 AM	1250.600 PSIA	
39	Jun 08, 2011 09:40:08 AM	1267.000 PSIA	
40	Jun 08, 2011 09:45:08 AM	1273.200 PSIA	
41	Jun 08, 2011 09:50:08 AM	1269.200 PSIA	
42	Jun 08, 2011 09:55:08 AM	1289.600 PSIA	
43	Jun 08, 2011 10:00:08 AM	1298.000 PSIA	
44	Jun 08, 2011 10:05:08 AM	1311.400 PSIA	
45	Jun 08, 2011 10:10:08 AM	1326.200 PSIA	
46	Jun 08, 2011 10:15:08 AM	1337.600 PSIA	
47	Jun 08, 2011 10:20:08 AM	1333.800 PSIA	
48	Jun 08, 2011 10:25:08 AM	1343.800 PSIA	
49	Jun 08, 2011 10:30:08 AM	1354.000 PSIA	
50	Jun 08, 2011 10:35:08 AM	1349.000 PSIA	
51	Jun 08, 2011 10:40:08 AM	1353.000 PSIA	
52	Jun 08, 2011 10:45:08 AM	1365.400 PSIA	
53	Jun 08, 2011 10:50:08 AM	1363.800 PSIA	
54	Jun 08, 2011 10:55:08 AM	1362.600 PSIA	
55	Jun 08, 2011 11:00:08 AM	1375.400 PSIA	
56	Jun 08, 2011 11:05:08 AM	1385.400 PSIA	
57	Jun 08, 2011 11:10:08 AM	1400.000 PSIA	
58	Jun 08, 2011 11:15:08 AM	1405.000 PSIA	
59	Jun 08, 2011 11:20:08 AM	1407.600 PSIA	
60	Jun 08, 2011 11:25:08 AM	1408.200 PSIA	

61	Jun 08, 2011 11:30:08 AM	1415.600	PSIA
62	Jun 08, 2011 11:35:08 AM	1420.200	PSIA
63	Jun 08, 2011 11:40:08 AM	1420.200	PSIA
64	Jun 08, 2011 11:45:08 AM	1417.000	PSIA
65	Jun 08, 2011 11:50:08 AM	1428.600	PSIA
66	Jun 08, 2011 11:55:08 AM	1427.800	PSIA
67	Jun 08, 2011 12:00:08 PM	1428.800	PSIA
68	Jun 08, 2011 12:05:08 PM	1455.800	PSIA
69	Jun 08, 2011 12:10:08 PM	1446.800	PSIA
70	Jun 08, 2011 12:15:07 PM	1454.000	PSIA
71	Jun 08, 2011 12:20:08 PM	1450.600	PSIA
72	Jun 08, 2011 12:25:10 PM	1453.600	PSIA
73	Jun 08, 2011 12:30:08 PM	1459.400	PSIA
74	Jun 08, 2011 12:35:08 PM	1447.800	PSIA
75	Jun 08, 2011 12:40:08 PM	1463.000	PSIA
76	Jun 08, 2011 12:45:08 PM	1459.400	PSIA
77	Jun 08, 2011 12:50:08 PM	1451.800	PSIA
78	Jun 08, 2011 12:55:08 PM	1467.000	PSIA
79	Jun 08, 2011 01:00:08 PM	1458.600	PSIA


Federal 5-5-9-18 ISIP (6-8-2011)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
PSIA
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
12:58:16 PM Jun 08, 2011 MDT
01:02:04 PM Jun 08, 2011 MDT
01:05:52 PM Jun 08, 2011 MDT
01:09:40 PM Jun 08, 2011 MDT
01:13:28 PM Jun 08, 2011 MDT
01:17:15 PM Jun 08, 2011 MDT
01:21:03 PM Jun 08, 2011 MDT
01:24:51 PM Jun 08, 2011 MDT
01:28:39 PM Jun 08, 2011 MDT
01:32:27 PM Jun 08, 2011 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Jun 09, 2011 11:49:13 AM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 5-5-9-18 ISIP (6-8-2011).csv
Title:	Federal 5-5-9-18 ISIP (6-8-2011)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Jun 08, 2011 01:00:21 PM MDT
Data End Date:	Jun 08, 2011 01:30:21 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 31 of 31
Last Calibration Date:	Apr 12, 2011
Next Calibration Date:	Apr 12, 2012

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jun 08, 2011 01:00:21 PM	1456.800 PSIA	
2	Jun 08, 2011 01:01:21 PM	1399.800 PSIA	
3	Jun 08, 2011 01:02:20 PM	1372.200 PSIA	
4	Jun 08, 2011 01:03:21 PM	1362.000 PSIA	
5	Jun 08, 2011 01:04:21 PM	1354.600 PSIA	
6	Jun 08, 2011 01:05:20 PM	1349.800 PSIA	
7	Jun 08, 2011 01:06:20 PM	1344.600 PSIA	
8	Jun 08, 2011 01:07:21 PM	1340.600 PSIA	
9	Jun 08, 2011 01:08:20 PM	1337.400 PSIA	
10	Jun 08, 2011 01:09:21 PM	1334.000 PSIA	
11	Jun 08, 2011 01:10:21 PM	1331.200 PSIA	
12	Jun 08, 2011 01:11:20 PM	1327.800 PSIA	
13	Jun 08, 2011 01:12:19 PM	1325.600 PSIA	
14	Jun 08, 2011 01:13:21 PM	1322.600 PSIA	
15	Jun 08, 2011 01:14:21 PM	1320.800 PSIA	
16	Jun 08, 2011 01:15:20 PM	1318.600 PSIA	
17	Jun 08, 2011 01:16:20 PM	1316.000 PSIA	
18	Jun 08, 2011 01:17:21 PM	1314.200 PSIA	
19	Jun 08, 2011 01:18:20 PM	1312.200 PSIA	
20	Jun 08, 2011 01:19:21 PM	1309.800 PSIA	
21	Jun 08, 2011 01:20:21 PM	1308.200 PSIA	
22	Jun 08, 2011 01:21:20 PM	1306.800 PSIA	
23	Jun 08, 2011 01:22:21 PM	1304.600 PSIA	
24	Jun 08, 2011 01:23:21 PM	1303.000 PSIA	
25	Jun 08, 2011 01:24:21 PM	1301.400 PSIA	
26	Jun 08, 2011 01:25:21 PM	1299.600 PSIA	
27	Jun 08, 2011 01:26:21 PM	1298.200 PSIA	
28	Jun 08, 2011 01:27:21 PM	1296.800 PSIA	
29	Jun 08, 2011 01:28:20 PM	1295.400 PSIA	
30	Jun 08, 2011 01:29:21 PM	1293.800 PSIA	
31	Jun 08, 2011 01:30:21 PM	1292.600 PSIA	

Federal 5-5-9-18 Rate Sheet (6-8-11)

Step # 1	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	50.3	50.3	50.2	50.2	50.2	50.2
	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	50.2	50.2	50.1	50.1	50.1	50
Step # 2	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	100.5	100.5	100.5	100.5	100.4	100.4
	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	100.4	100.4	100.3	100.3	100.3	100.3
Step # 3	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	150.6	150.6	150.5	150.5	150.5	150.5
	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	150.4	150.4	150.4	150.4	150.3	150.3
Step # 4	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	200.6	200.6	200.6	200.5	200.4	200.4
	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	200.3	200.3	200.3	200.3	200.2	200.2
Step # 5	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	250.5	250.5	250.5	250.5	250.4	250.4
	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	250.4	250.3	250.3	250.2	250.2	250.2
Step # 6	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	300.4	300.4	300.3	300.3	300.3	300.3
	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	300.3	300.1	300.1	300.1	300	. 300

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: FEDERAL 5-5-9-18

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43047352900000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2436 FNL 0813 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 05 Township: 09.0S Range: 18.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 12/12/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: 5 YR MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 12/10/2012 Sarah Roberts with the EPA was contacted concerning the 5 year MIT on the above listed well. On 12/12/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1007 psig during the test. There was not an EPA representative available to witness the test. EPA# UT21110-07542

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 10, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 12/19/2012

RECEIVED: Dec. 19, 2012

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 12 / 12 / 2012
Test conducted by: Shannon Lazenby
Others present: _____

UT 21110-07542

Well Name: Federal 5-5-9-18 Type: ER SWD Status: AC TA UC
Field: Greater Monument Butte
Location: SW/NW Sec: 5 T 9S N/S R 18 E/W County: Uintah State: ut
Operator: Shannon Lazenby
Last MIT: / / Maximum Allowable Pressure: 1085 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1325 / 1007 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1007 psig	psig	psig
End of test pressure	1007 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1325 psig	psig	psig
5 minutes	1325 psig	psig	psig
10 minutes	1325 psig	psig	psig
15 minutes	1325 psig	psig	psig
20 minutes	1325 psig	psig	psig
25 minutes	1325 psig	psig	psig
30 minutes	1325 psig	psig	psig
35 minutes	1325 psig	psig	psig
40 minutes	1325 psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [ ] No

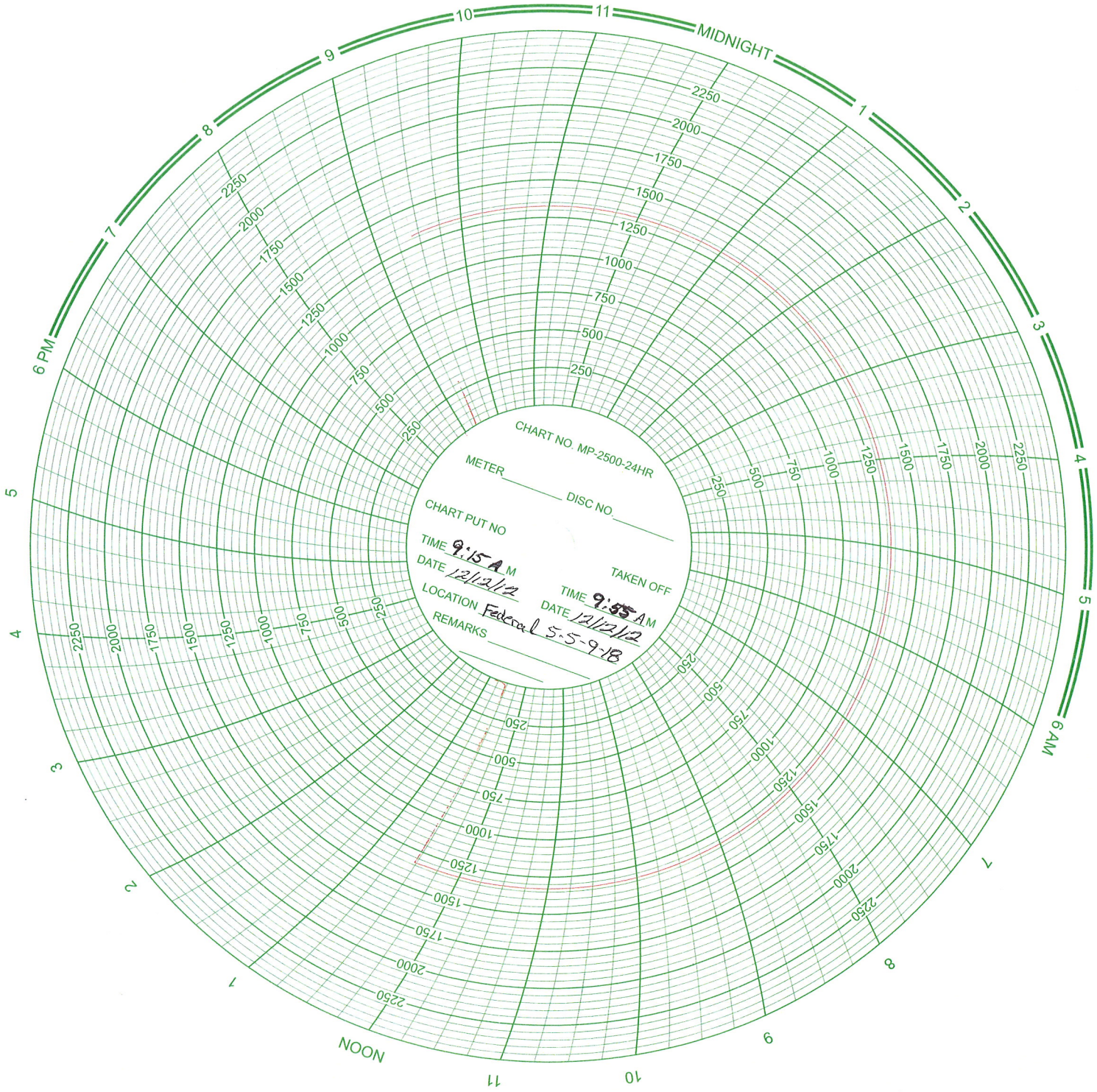
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

_____

Signature of Witness: _____

Sundry Number: 33195 API Well Number: 43047352900000



NEWFIELD

Schematic

43-047-35290

Well Name: Federal 5-5-9-18

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
05-9S-18E	43047352900000	500150995		Utah	GMBU CTB10	Uintah

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
4/18/2005	5/3/2005	5/27/2005	4,990	4,978		Original Hole - 5,937.2

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Clean-out	N/A	5/14/2014	5/14/2014

TD: 6,000.0

Vertical - Original Hole, 9/15/2015 11:23:34 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
12.1			DLS (°...	
314.6				
315.6				1; Surface; 8 5/8 in; 8.097 in; 12-315 ftKB; 303.47 ft
549.9				
3,942.9				4-1; Tubing; 2 7/8; 2.441; 12-4,185; 4,173.00
3,948.8				
4,185.0				
4,186.0				4-2; Pump Seating Nipple; 2 7/8; 2.441; 4,185-4,186; 1.10
4,193.6				4-3; Packer; 5 1/2; 2.441; 4,186-4,194; 7.40
4,240.2				
4,248.0				Perforated; 4,240-4,248; 5/24/2005
4,272.0				
4,283.1				Perforated; 4,272-4,283; 5/24/2005
4,687.0				
4,693.9				Perforated; 4,687-4,694; 5/24/2005
4,775.9				
4,784.1				Perforated; 4,776-4,784; 5/24/2005
5,132.9				
5,146.0				Perforated; 5,133-5,146; 5/23/2005
5,340.9				
5,390.1				Perforated; 5,341-5,390; 5/23/2005
5,624.0				
5,628.9				Perforated; 5,624-5,629; 5/23/2005
5,668.0				
5,675.9				Perforated; 5,668-5,676; 5/23/2005
5,684.1				
5,693.9				Perforated; 5,684-5,694; 5/23/2005
5,788.1				
5,795.9				Perforated; 5,788-5,796; 5/17/2005
5,832.0				
5,839.9				Perforated; 5,832-5,840; 5/17/2005
5,919.9				
5,937.3				
5,937.7				
5,982.6				
5,983.3				2; Production; 5 1/2 in; 4.950 in; 12-5,983 ftKB; 5,971.31 ft
6,000.0				

NEWFIELD

Newfield Wellbore Diagram Data
Federal 5-5-9-18

Surface Legal Location			API/UWI	Lease
05-9S-18E			43047352900000	
County	**State/Province**		**Basin**	**Field Name**
Uintah	Utah			GMBU CTB10
Well Start Date	**Spud Date**		**Final Rig Release Date**	**On Production Date**
4/18/2005	4/18/2005		5/3/2005	5/27/2005
Original KB Elevation (ft)	**Ground Elevation (ft)**	**Total Depth (ftKB)**	**Total Depth All (TVD) (ftKB)**	**PBTD (All) (ftKB)**
4,990	4,978	6,000.0		Original Hole - 5,937.2

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	4/18/2005	8 5/8	8.097	24.00	J-55	315
Production	5/3/2005	5 1/2	4.950	15.50	J-55	5,983

Cement

String: Surface, 315ftKB 4/22/2005

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	12.0	315.5		
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
w/ 2% CaCL2 + 1/4#/sk Cello-Flake	Lead	160	G	12.0

String: Production, 5,983ftKB 5/3/2005

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	550.0	6,000.0		
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake	Lead	375	Premlite II	550.0
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM	Tail	450	50/50 Poz	3,300.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	1/2/2008	4,193.5

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	125	2 7/8	2.441	6.50	J-55	4,173.00	12.0	4,185.0
Pump Seating Nipple		2 7/8	2.441			1.10	4,185.0	4,186.1
Packer		5 1/2	2.441			7.40	4,186.1	4,193.5

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,920	5,937	8/2/2007	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
7	GB4, Original Hole	4,240	4,248	4	90	0.430	5/24/2005
7	GB6, Original Hole	4,272	4,283	4	90	0.430	5/24/2005
6	DS3, Original Hole	4,687	4,694	4	90	0.430	5/24/2005
5	D2, Original Hole	4,776	4,784	4	90	0.430	5/24/2005
4	A1, Original Hole	5,133	5,146	4	90	0.430	5/23/2005
3	LODC, Original Hole	5,341	5,390	2	90	0.430	5/23/2005
2	CP2, Original Hole	5,624	5,629	4	90	0.430	5/23/2005
2	CP3, Original Hole	5,668	5,676	4	90	0.430	5/23/2005
2	CP3, Original Hole	5,684	5,694	4	90	0.430	5/23/2005
1	CP4, Original Hole	5,788	5,796	4		0.410	5/17/2005
1	CP5, Original Hole	5,832	5,840	4		0.410	5/17/2005

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,950	0.77	25.5	2,096			
2	1,400	0.68	25.4	1,640			
3	2,130	0.83	25.2	1,948			
4	1,825	0.79	25.0	2,411			
5	1,860	0.82	25.0	2,147			
6	2,290	0.92	25.1	2,501			
7	2,100	0.93	25.2	2,107			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 35747 lb

NEWFIELD

Newfield Wellbore Diagram Data
Federal 5-5-9-18

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
2		Proppant Sand 49660 lb
3		Proppant Sand 208485 lb
4		Proppant Sand 22145 lb
5		Proppant Sand 30076 lb
6		Proppant Sand 40492 lb
7		Proppant Sand 78696 lb